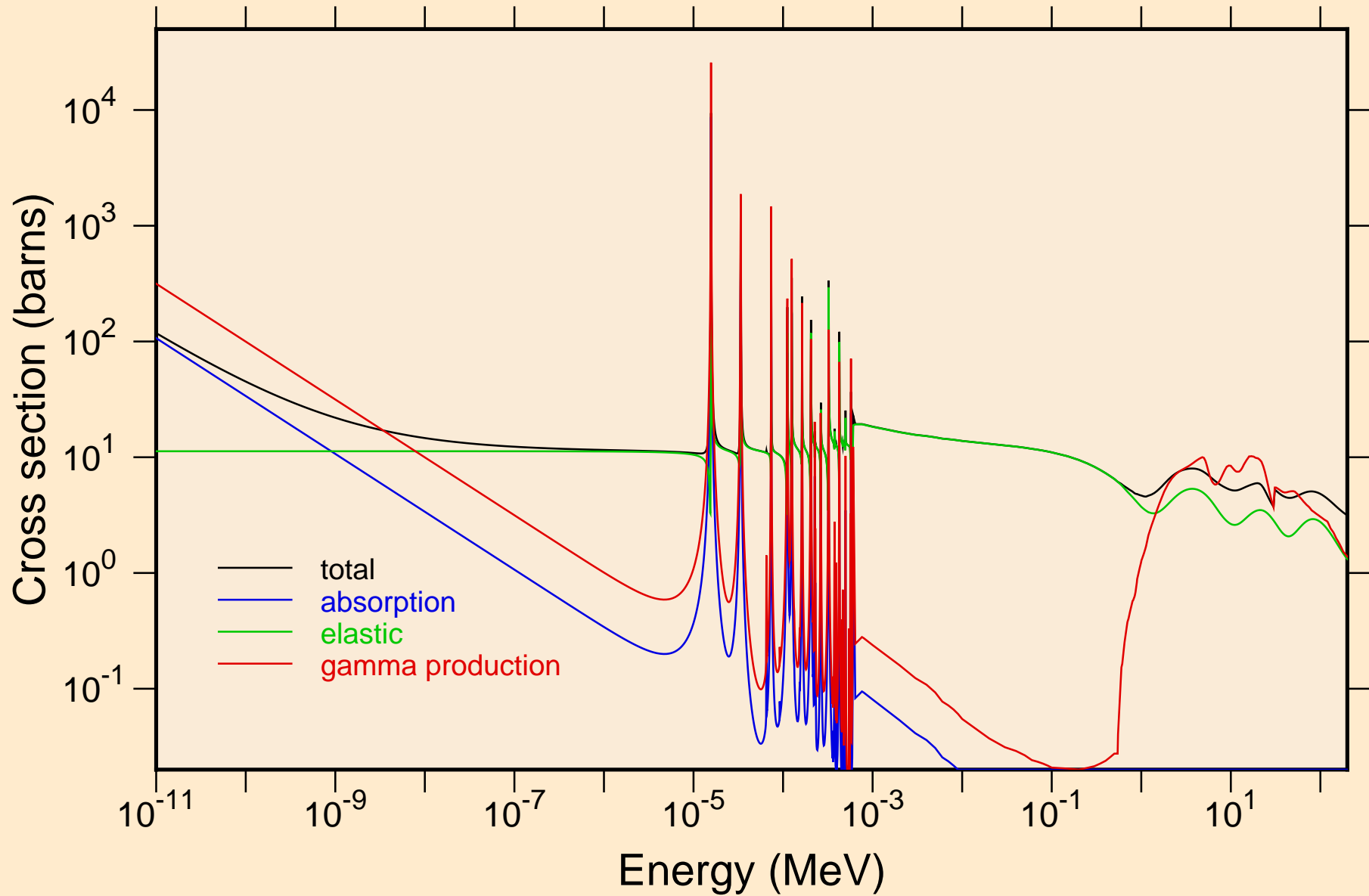
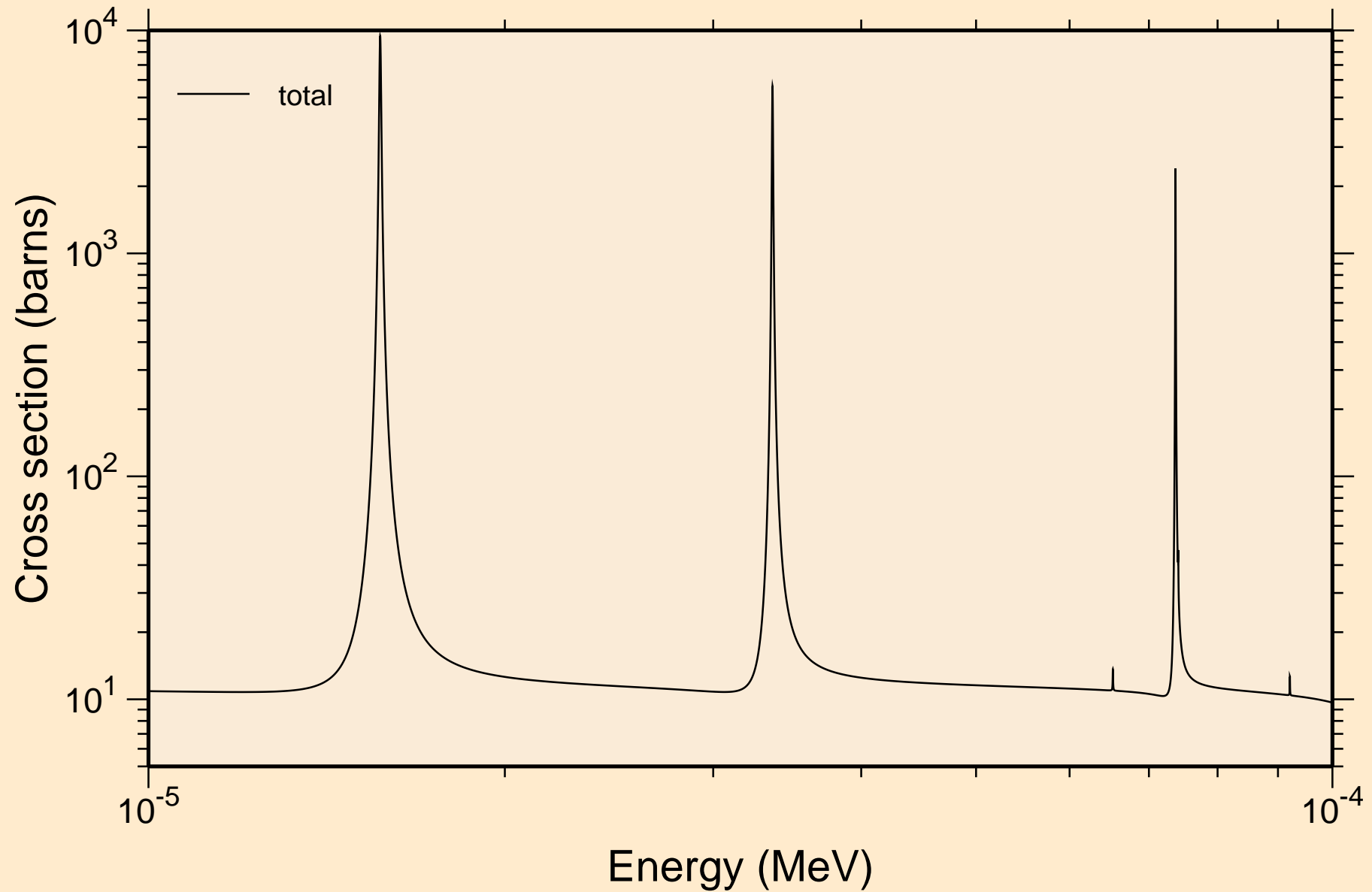


# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

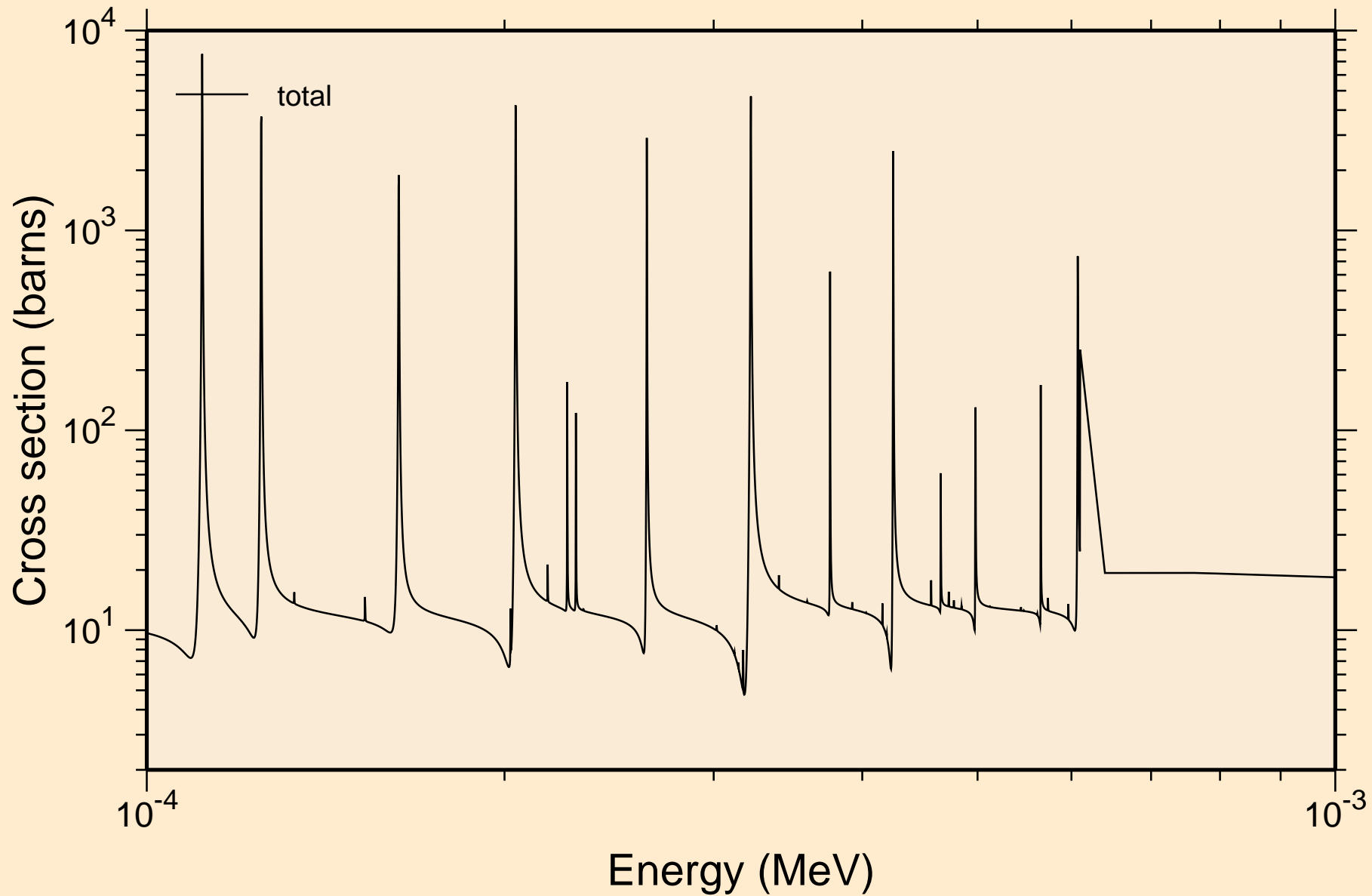
## Principal cross sections



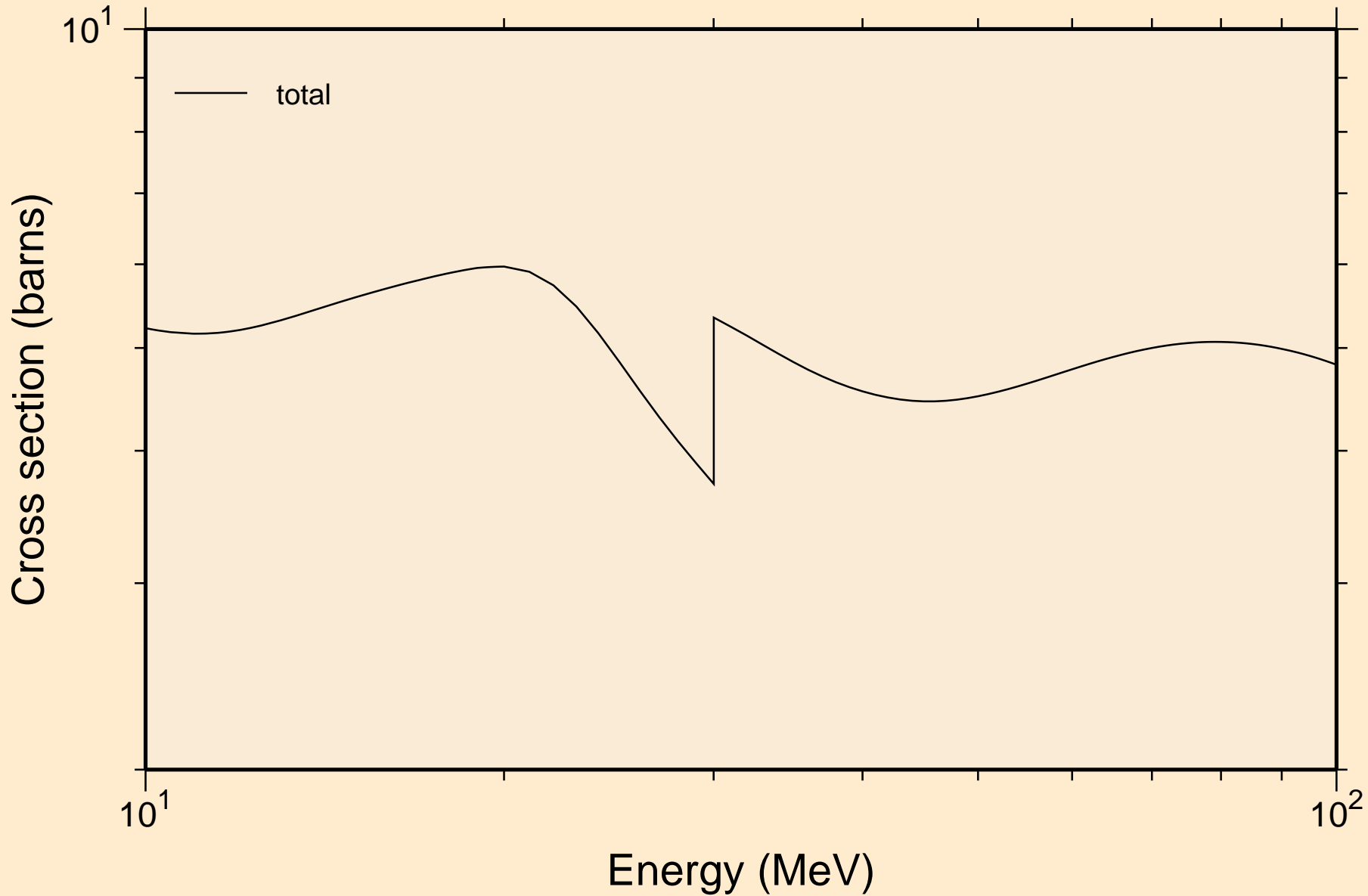
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



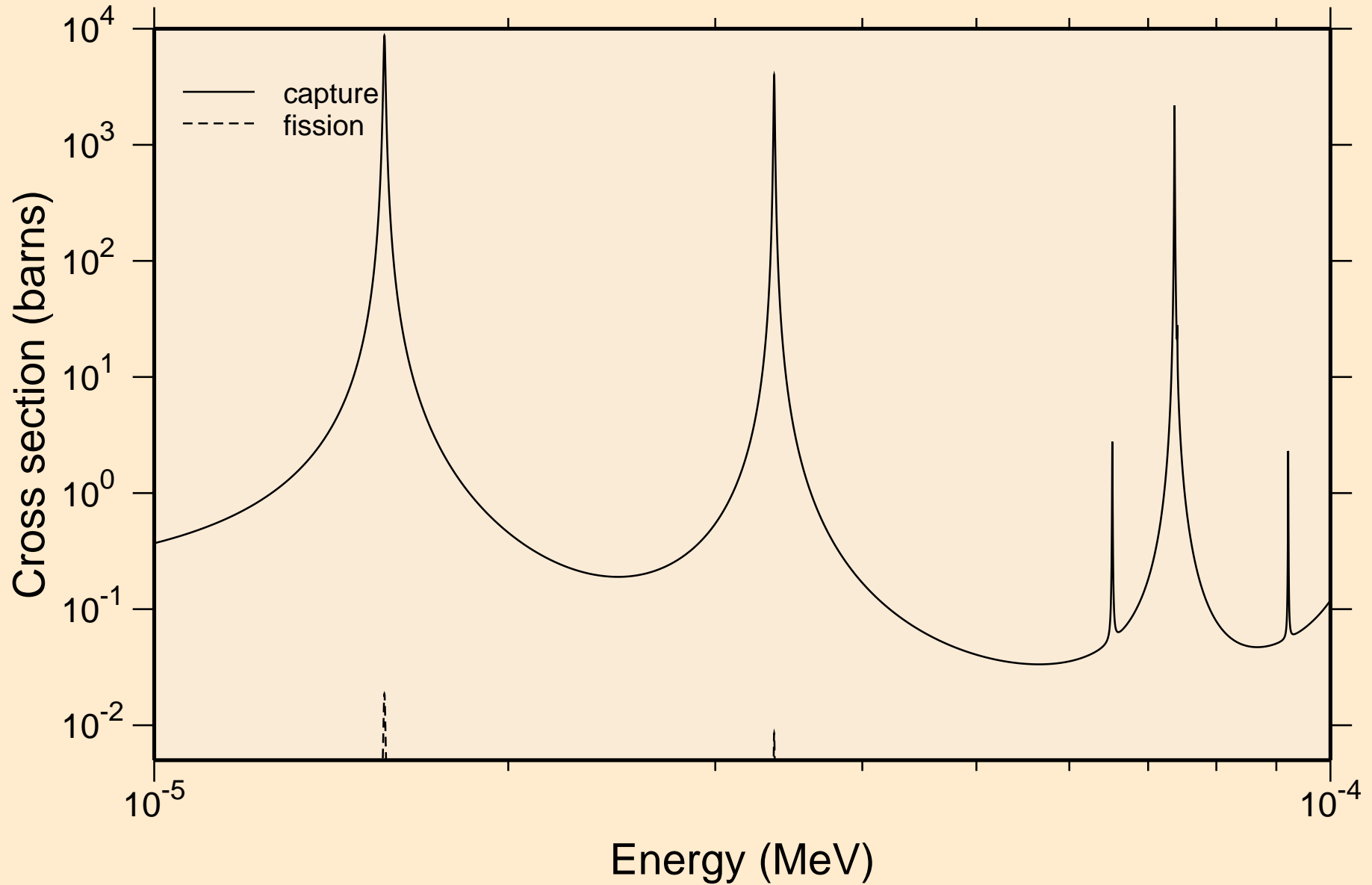
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



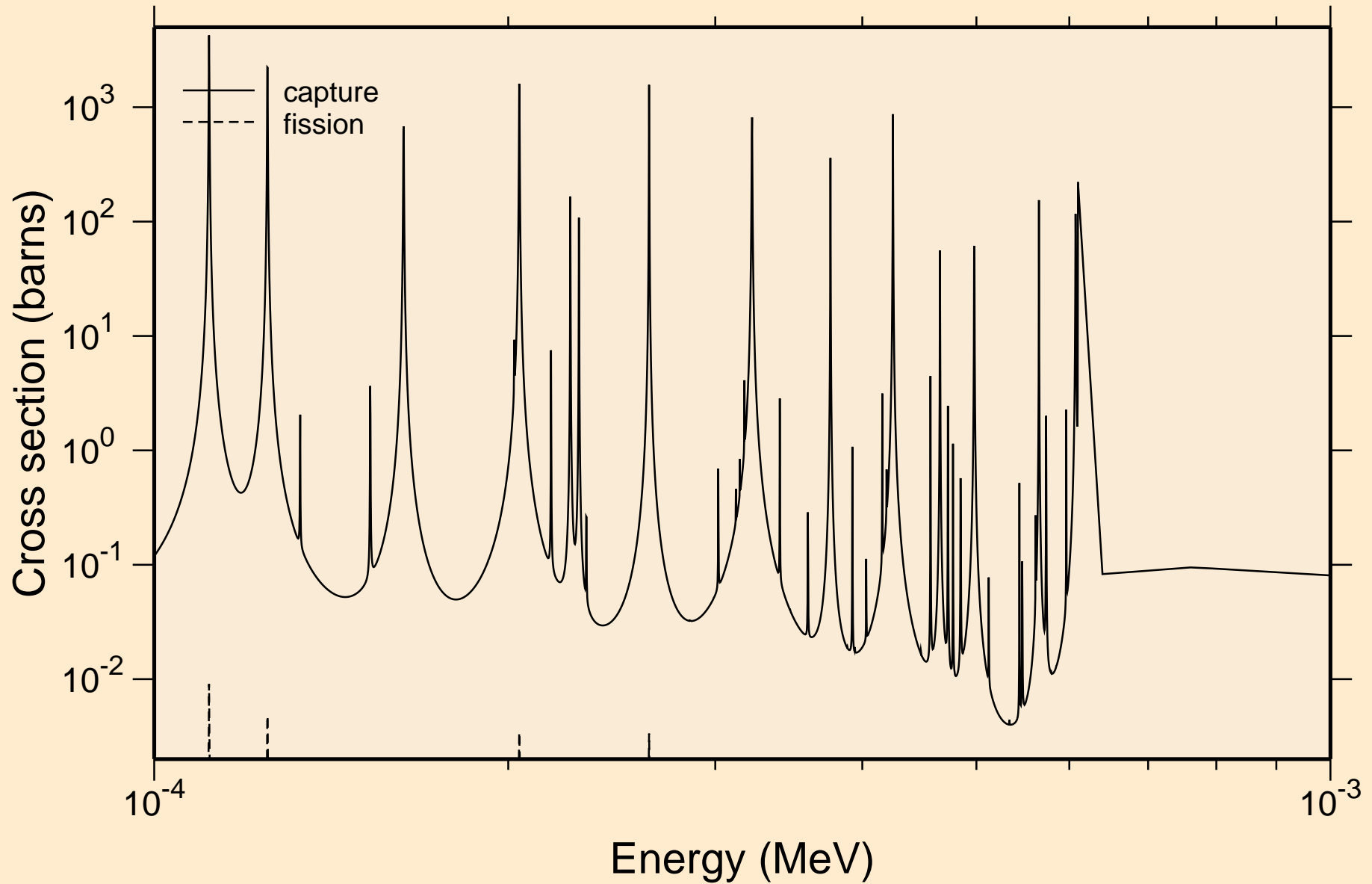
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



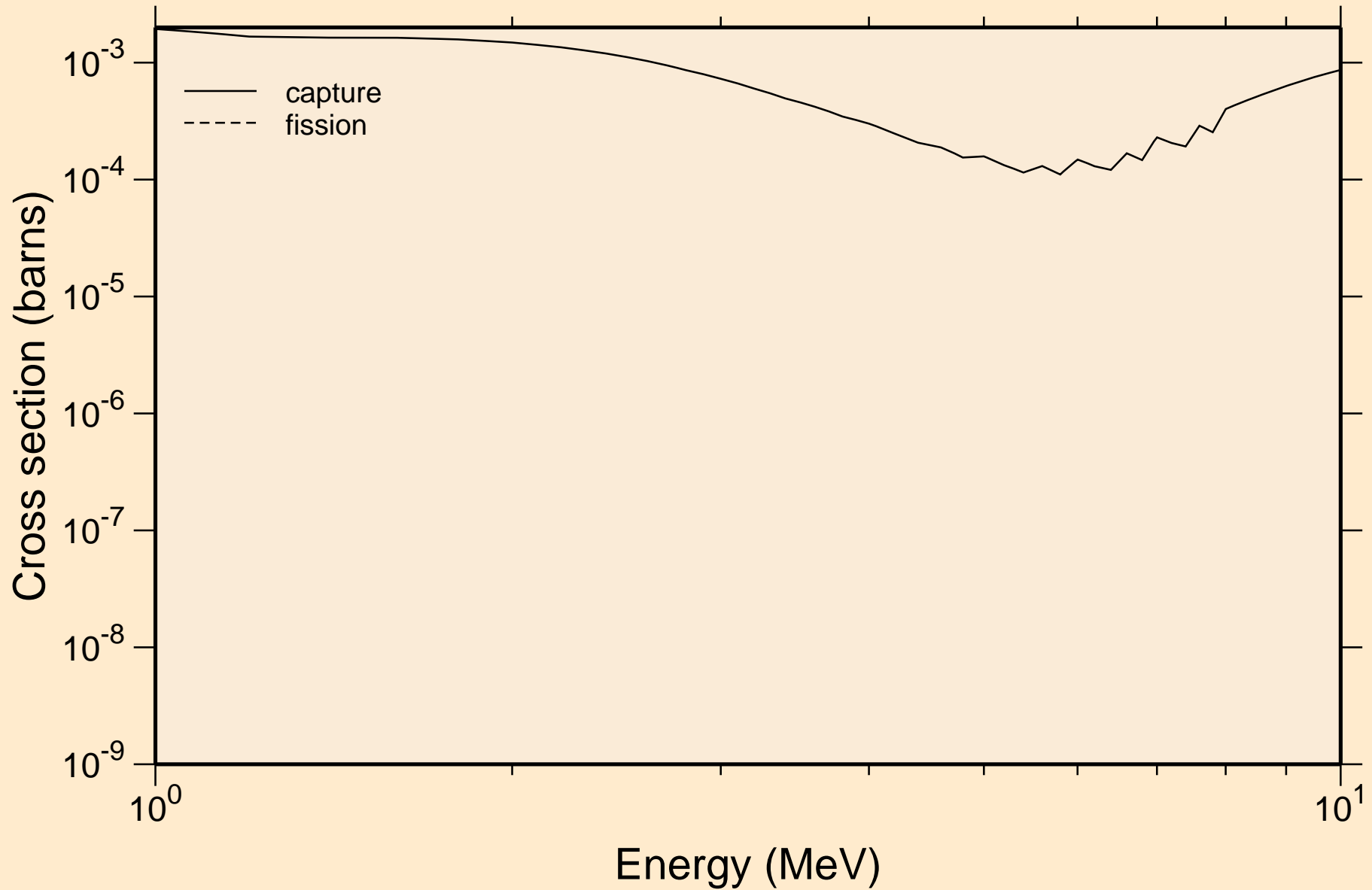
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

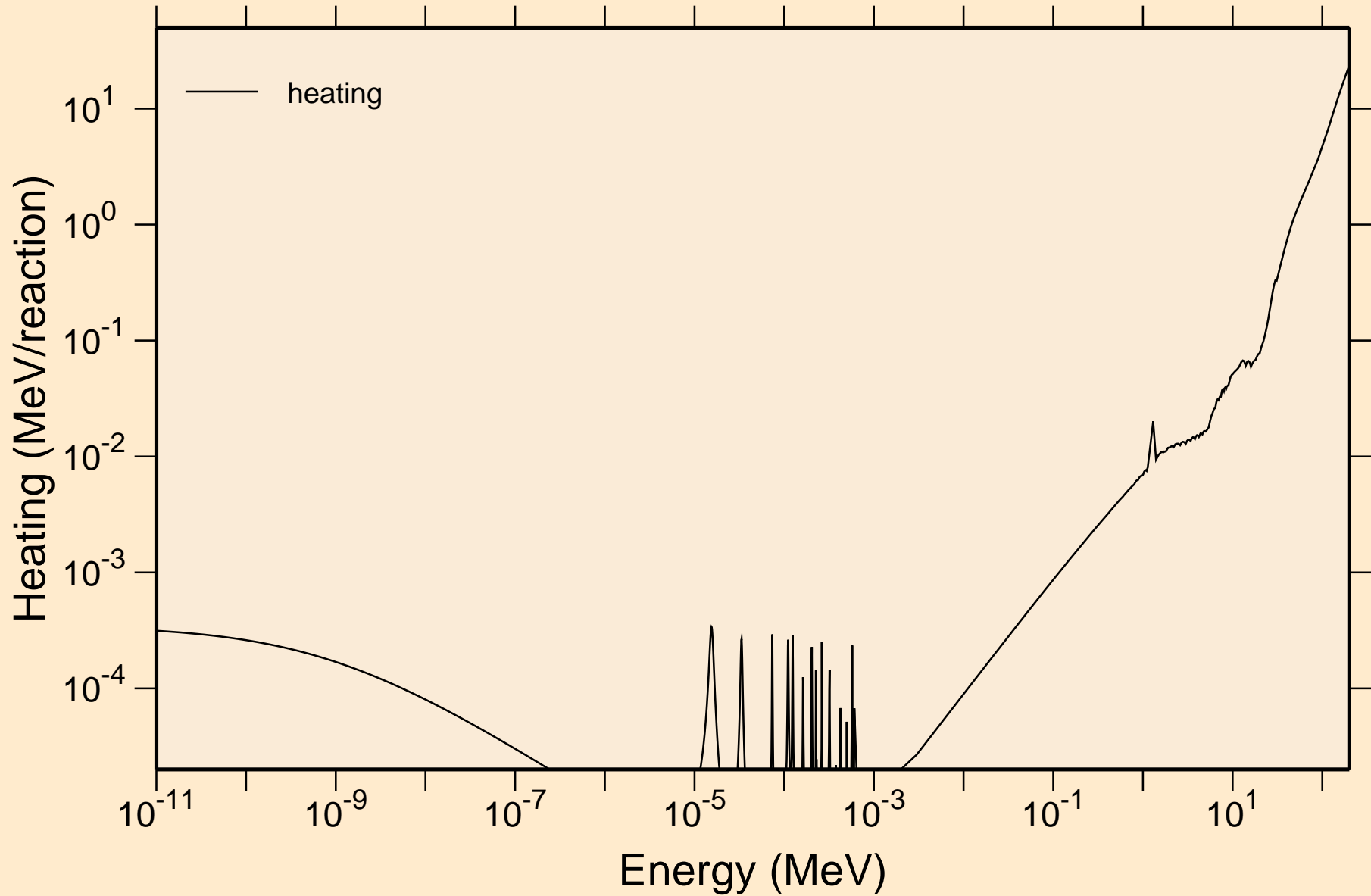


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

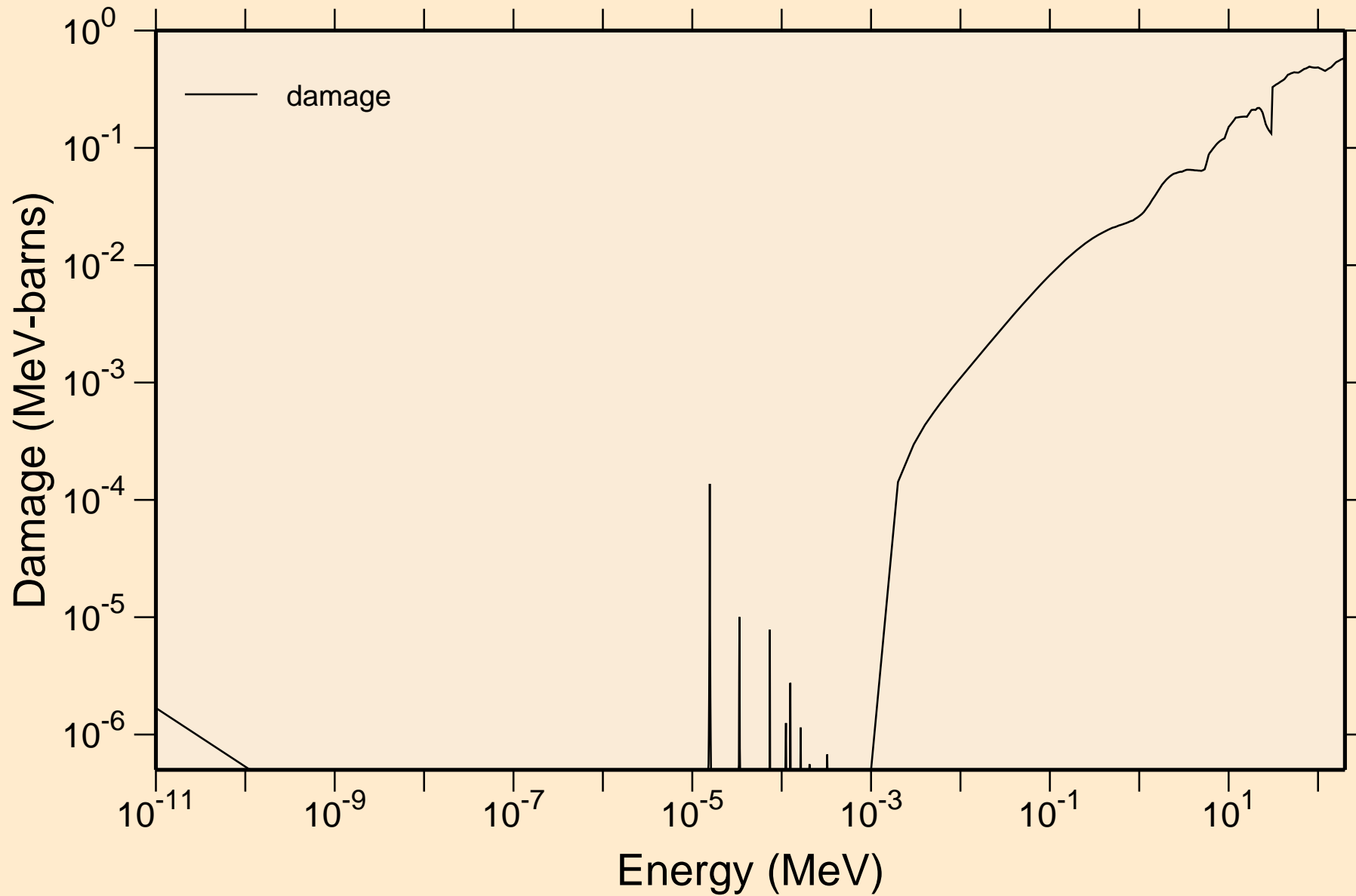
## Heating





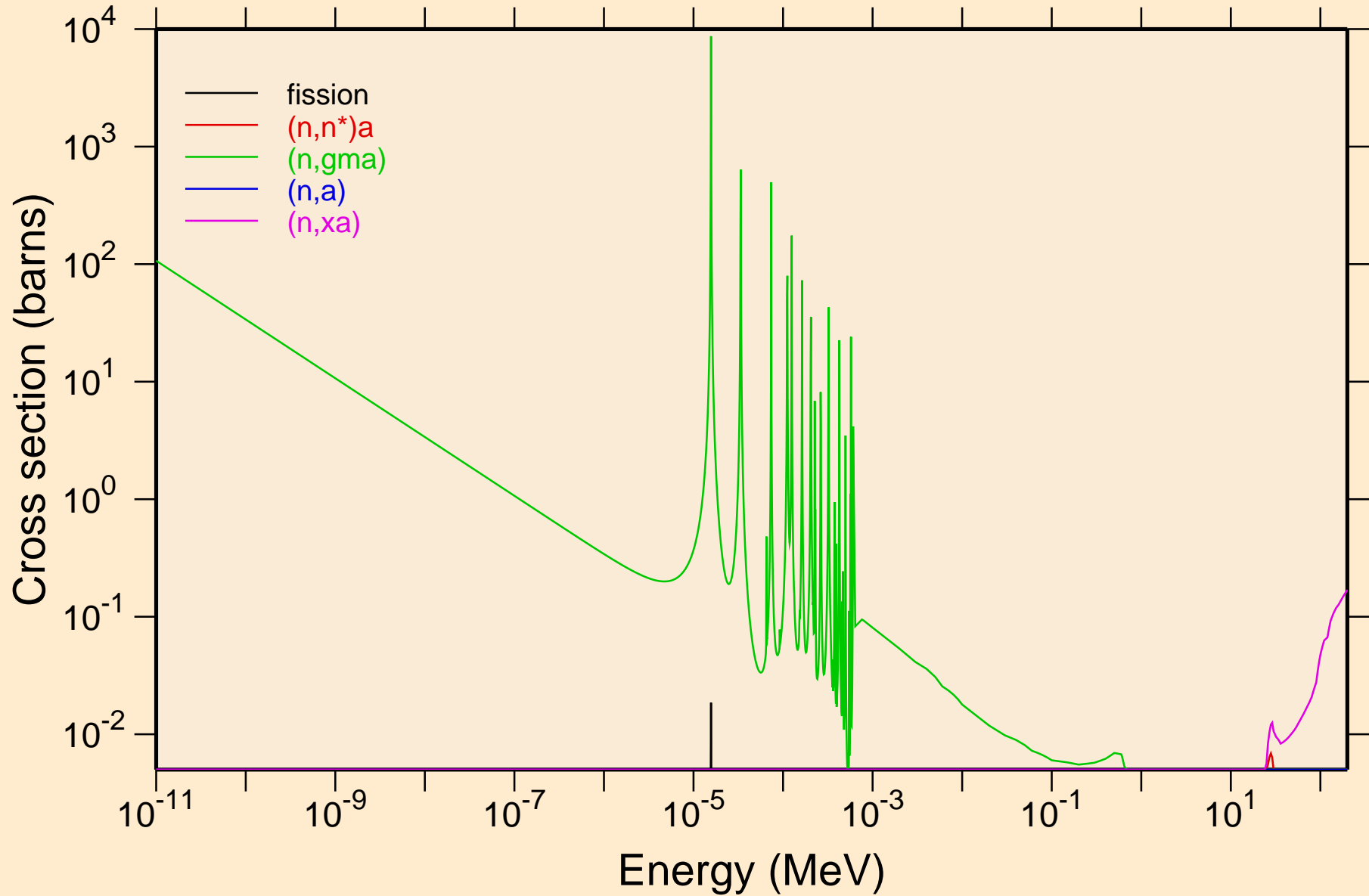
# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage



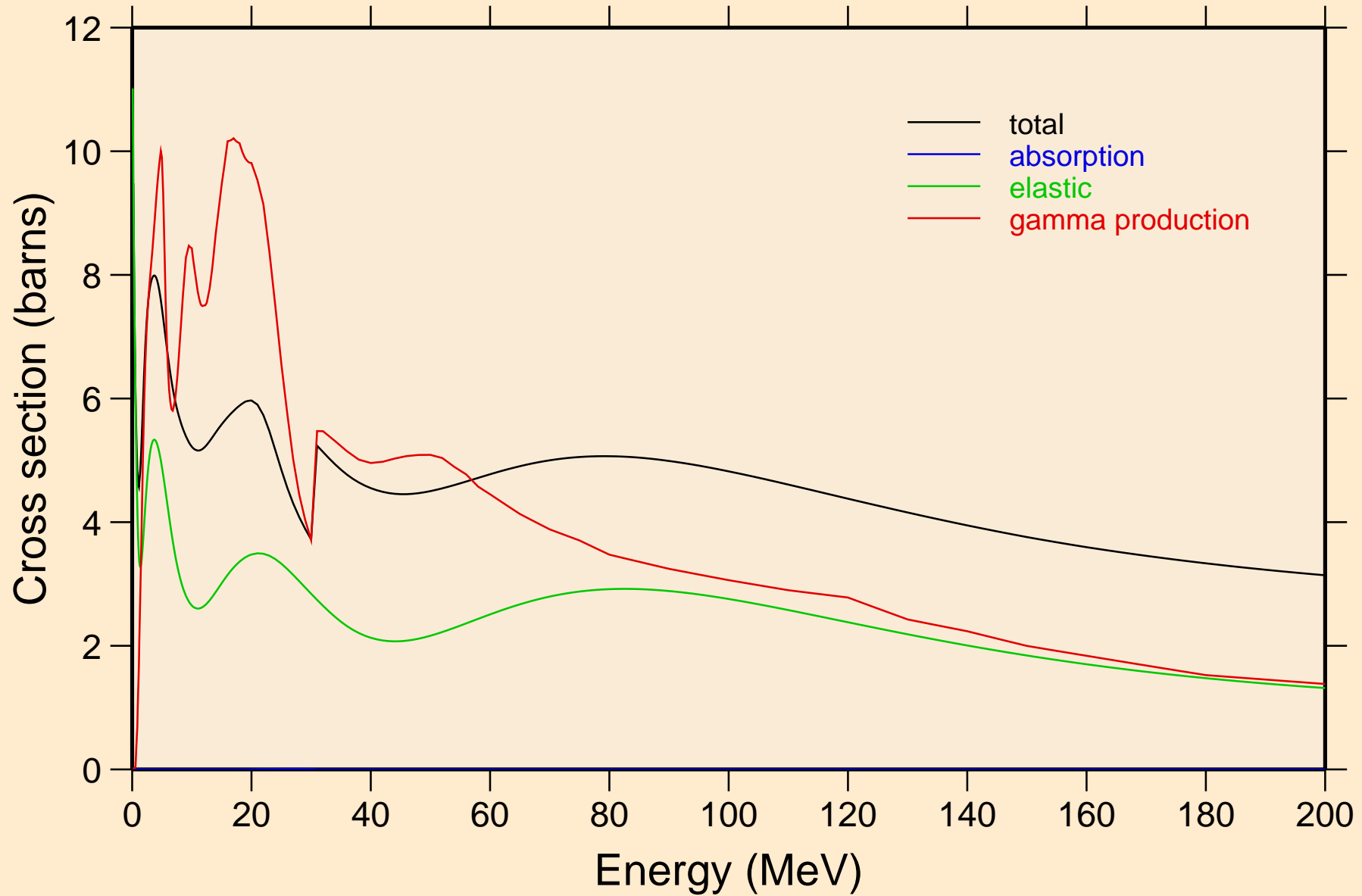
# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



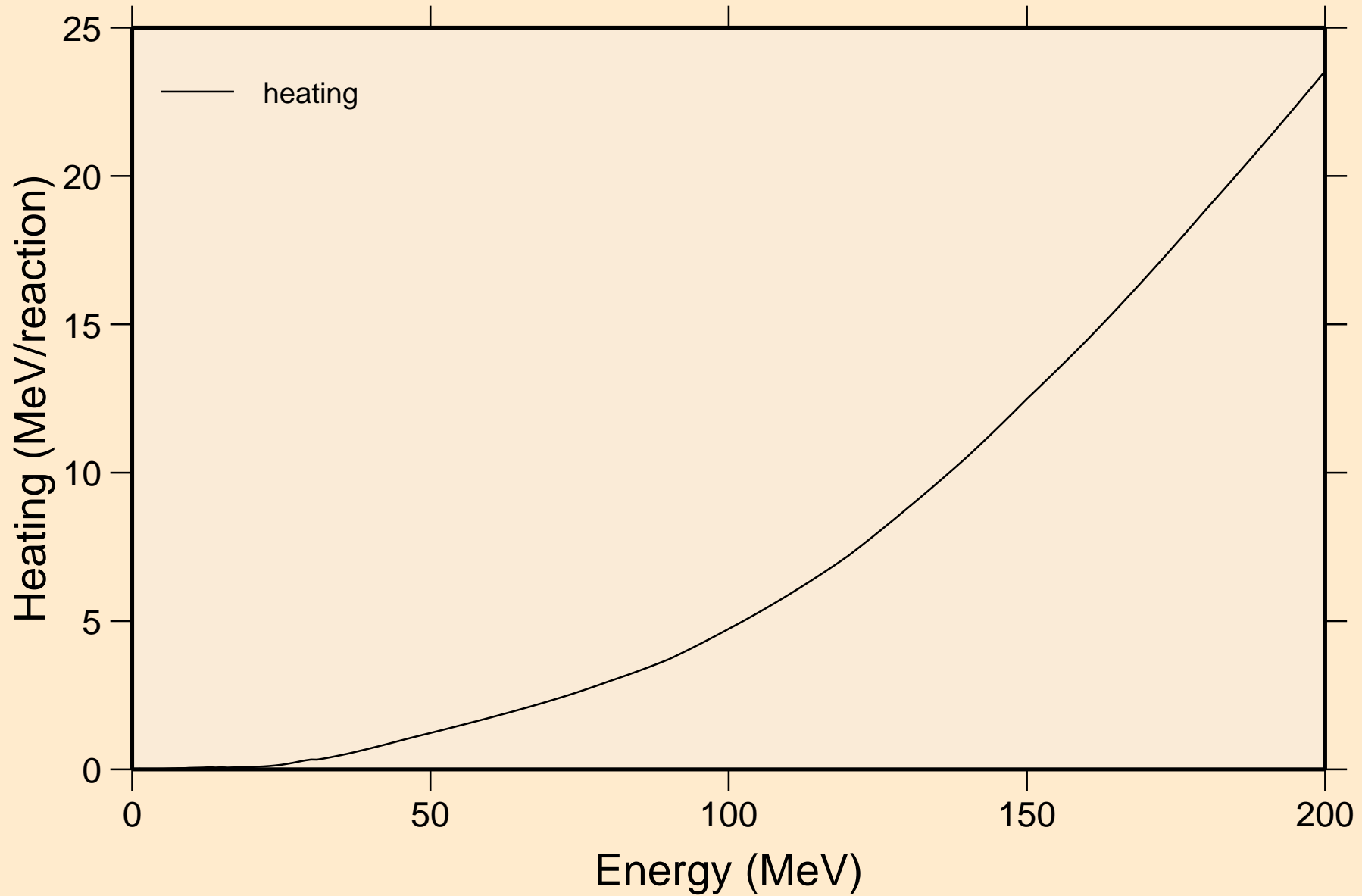
# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

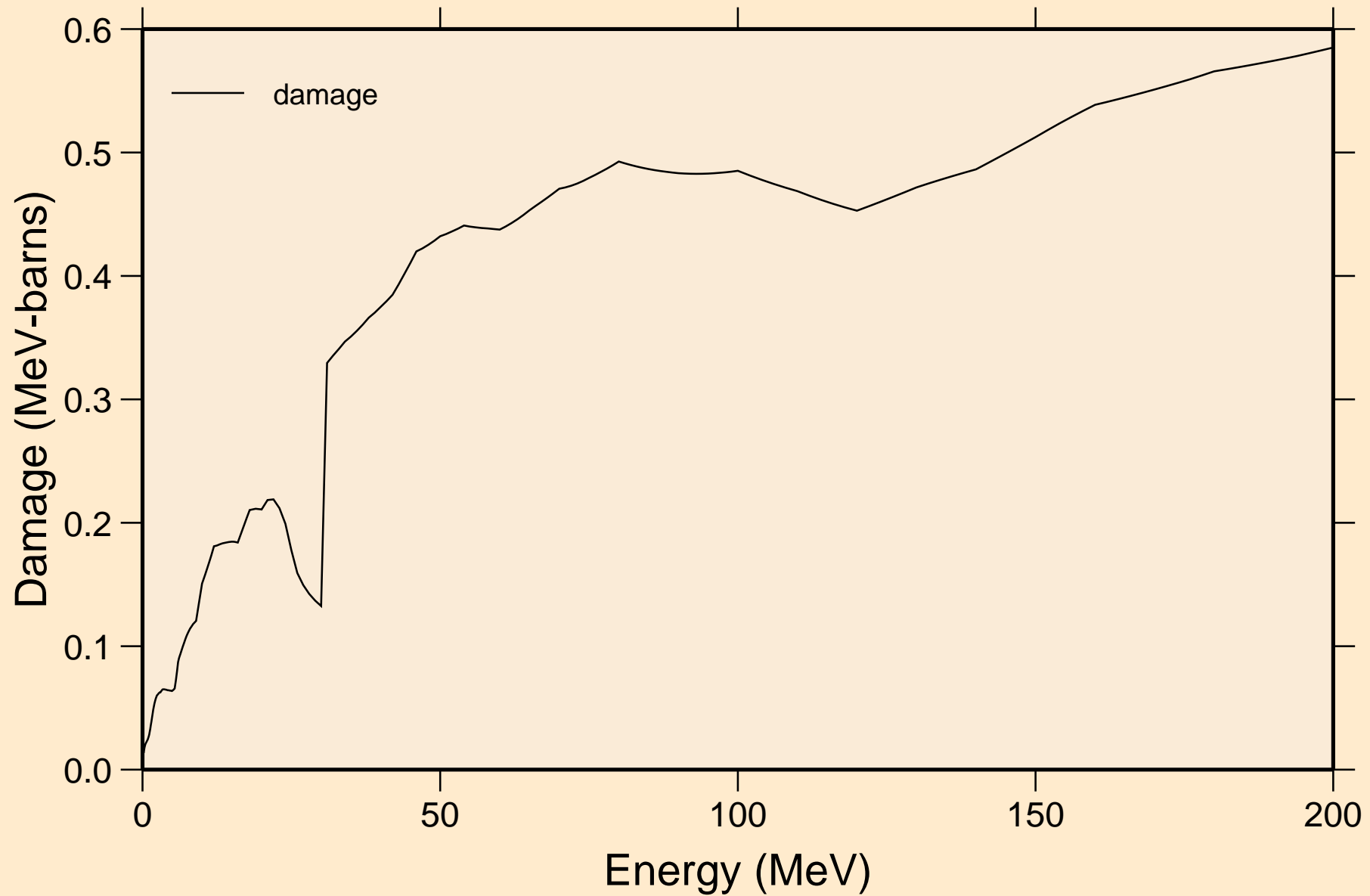


# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

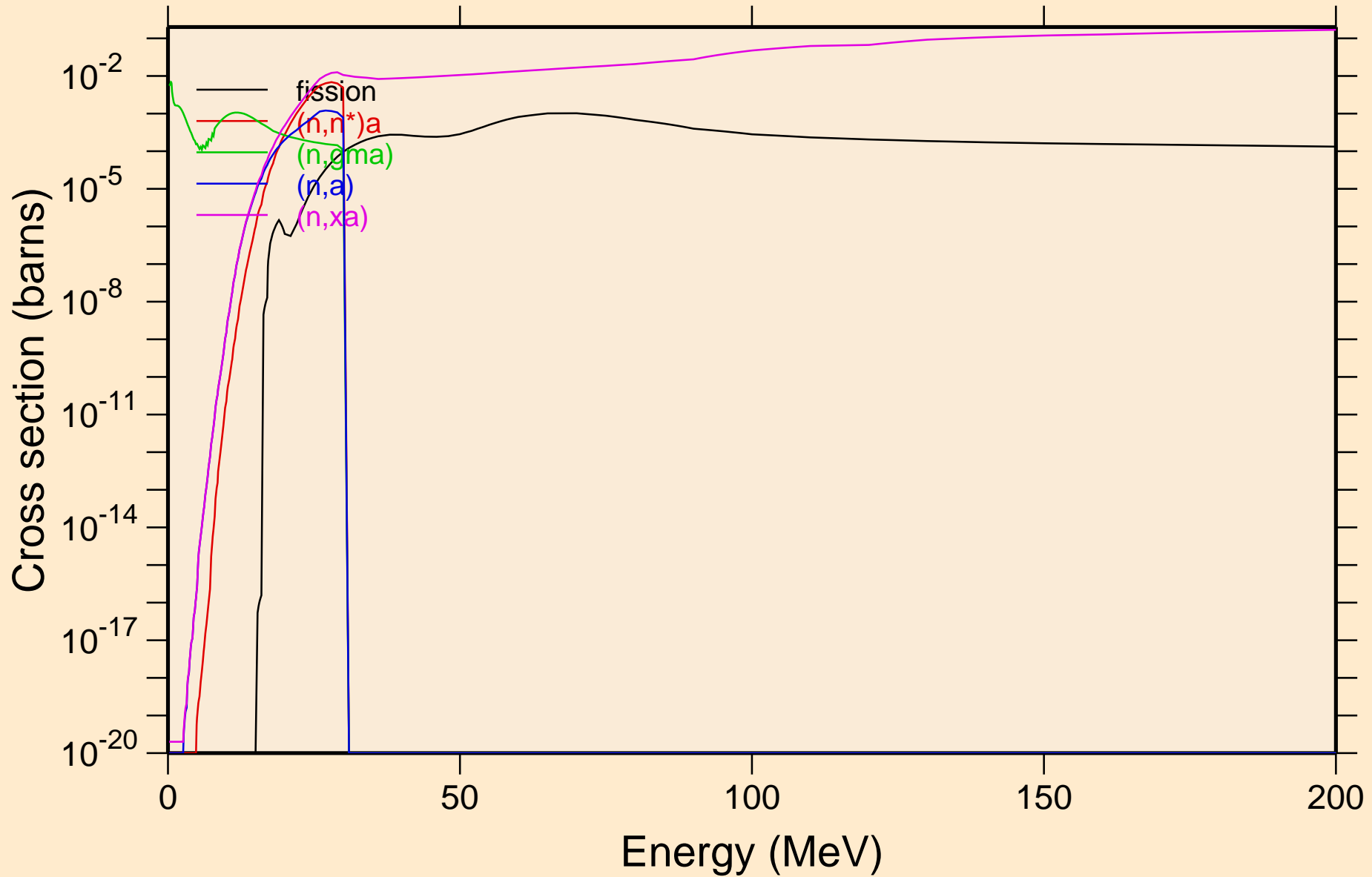


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

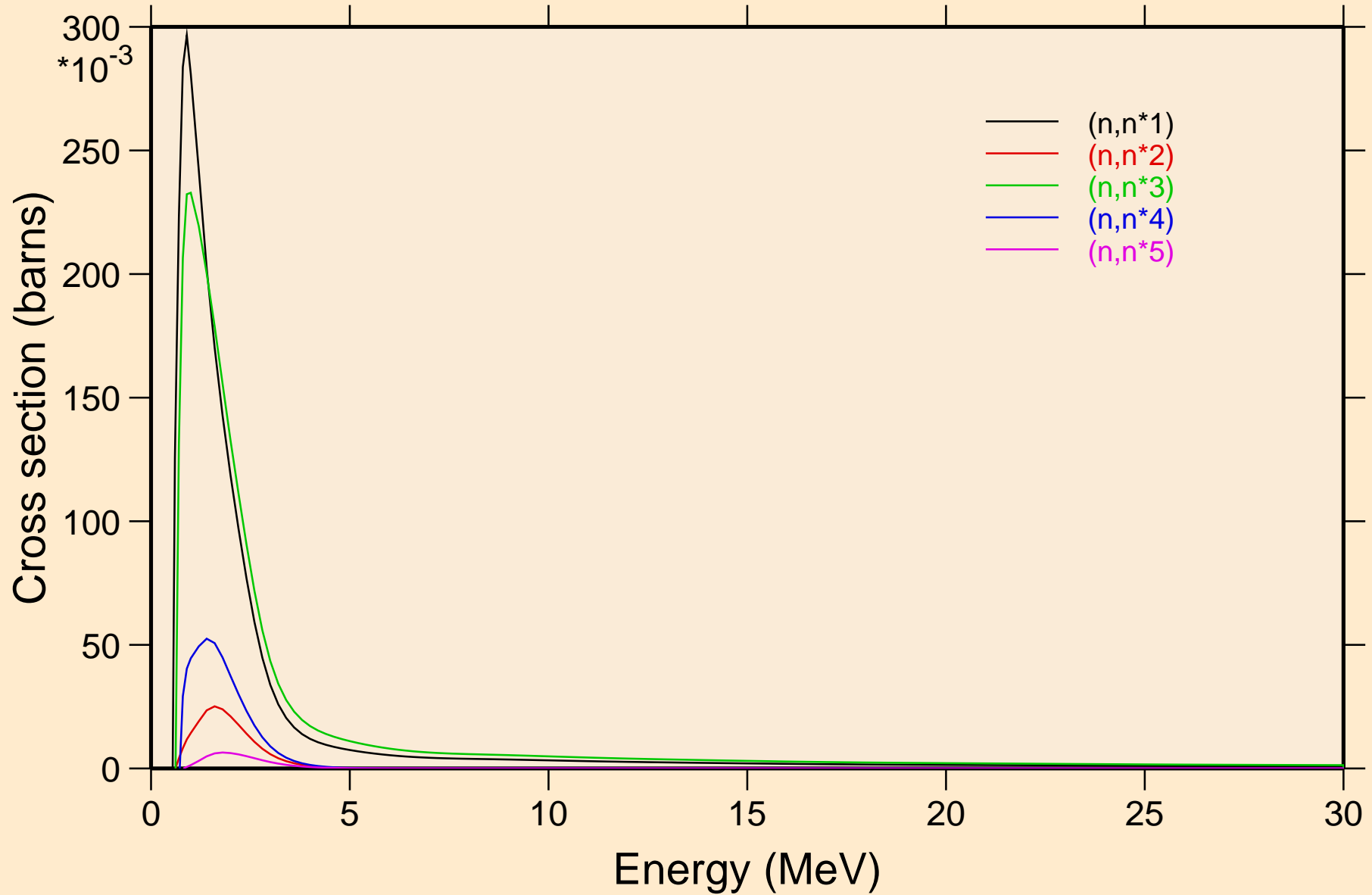


# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

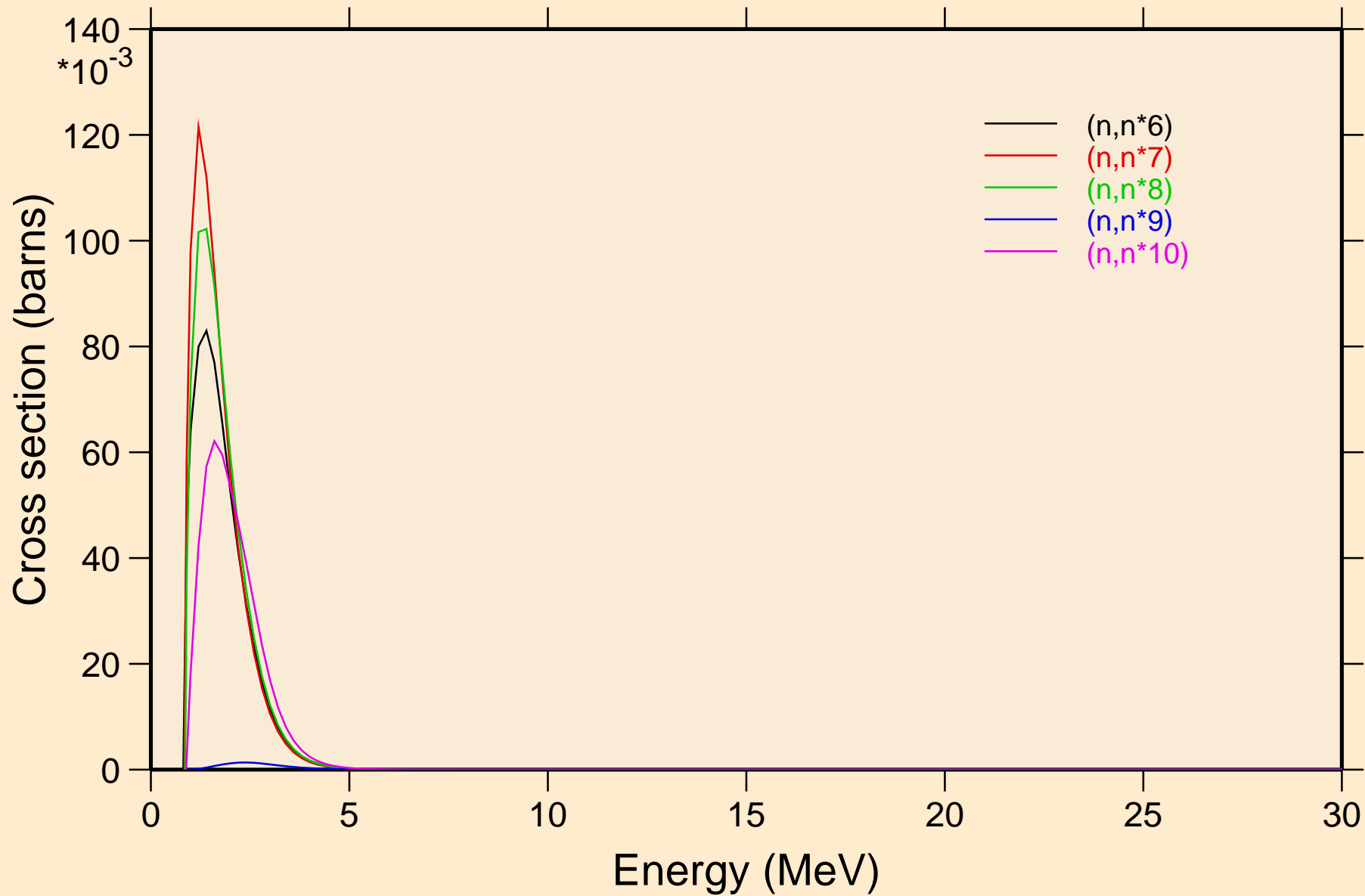
## Non-threshold reactions



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

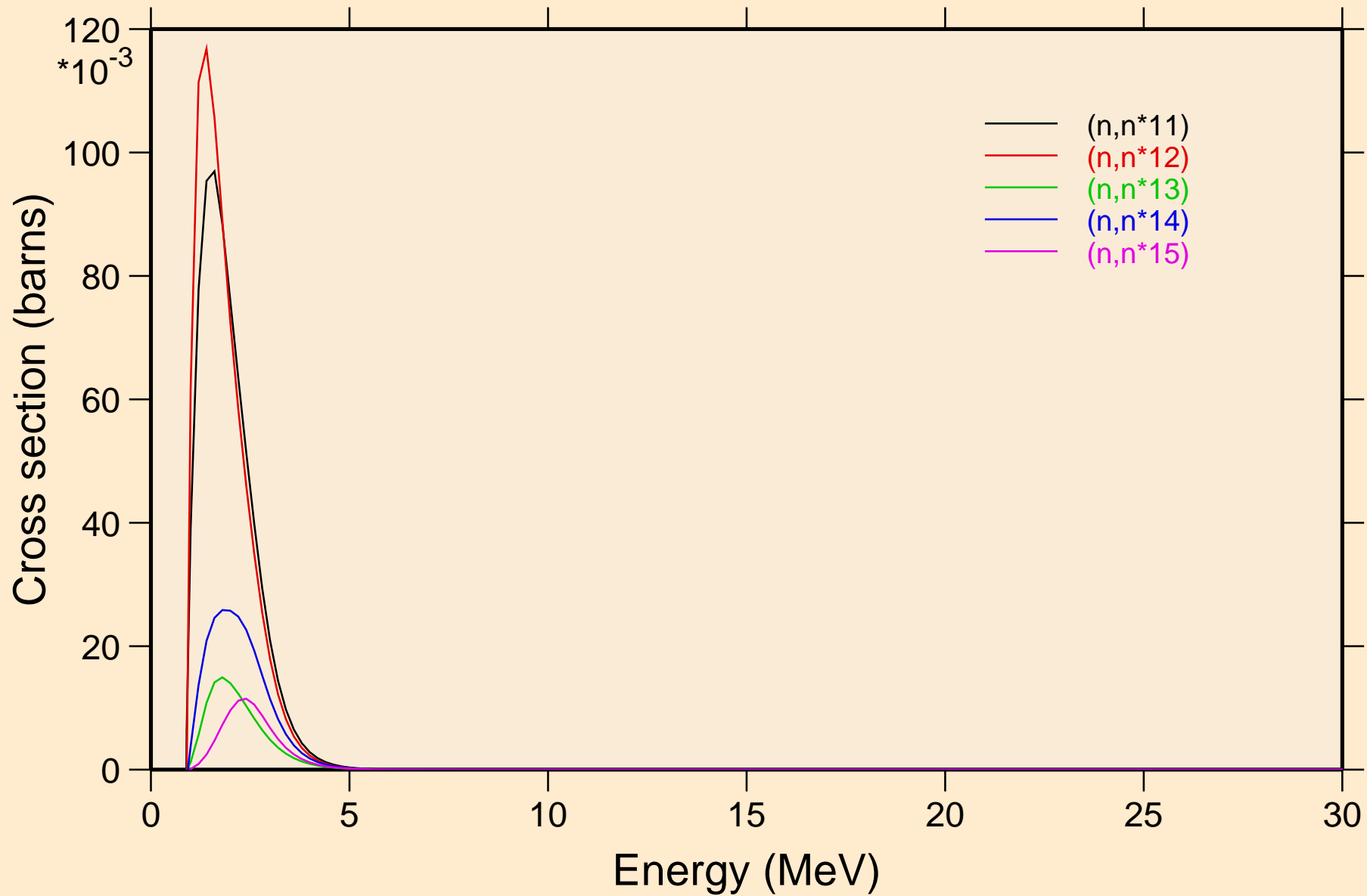


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

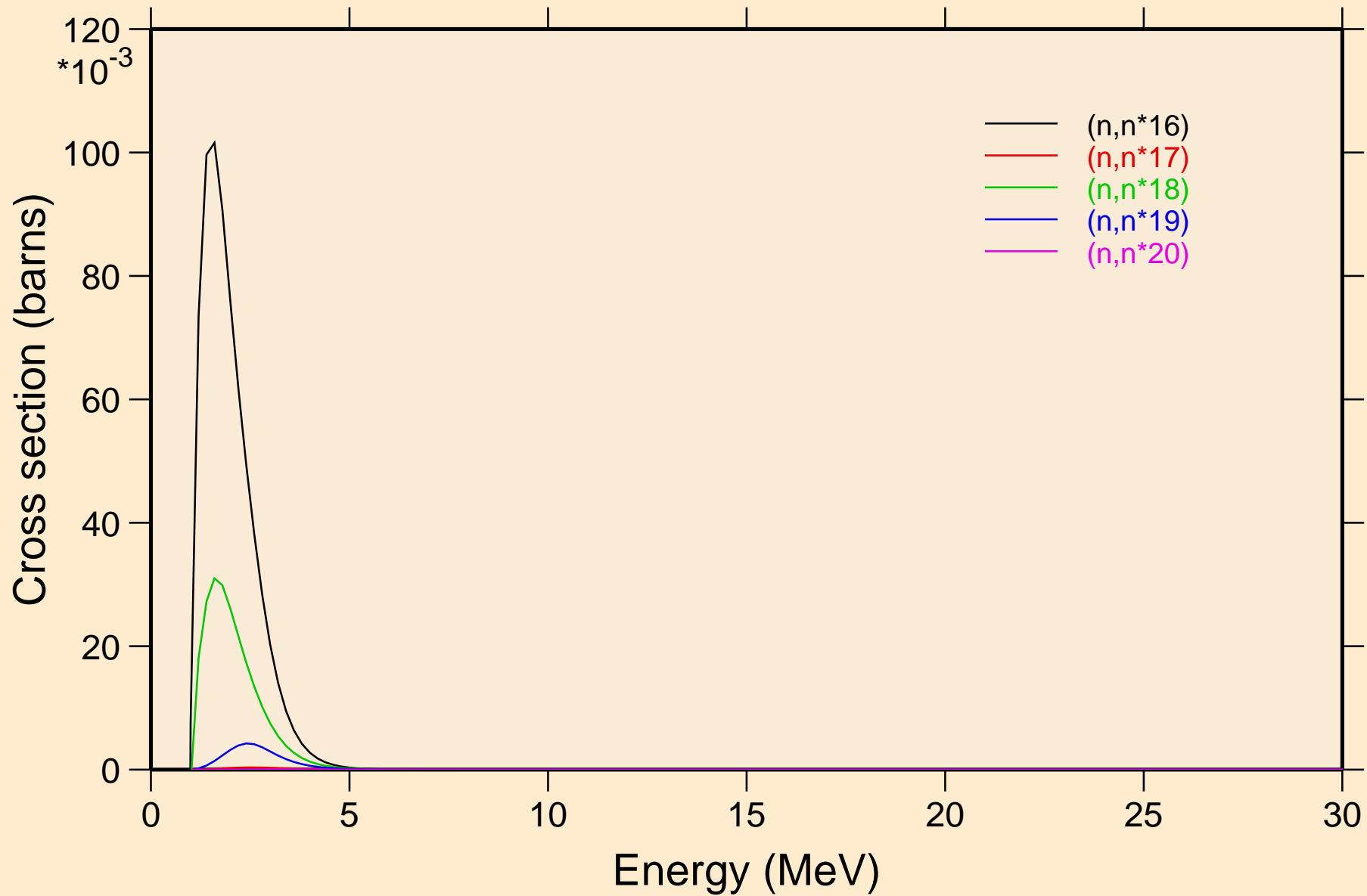




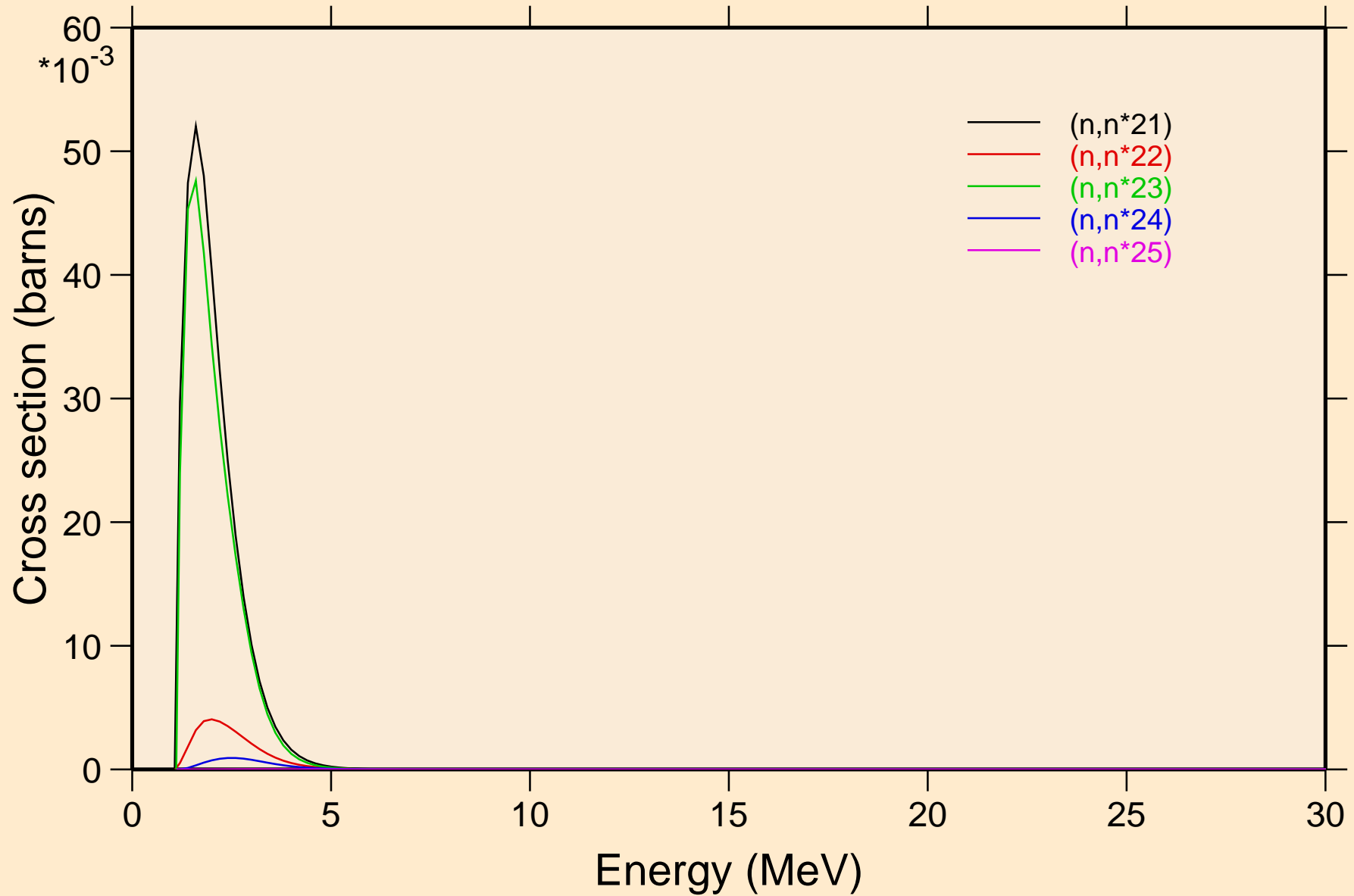
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



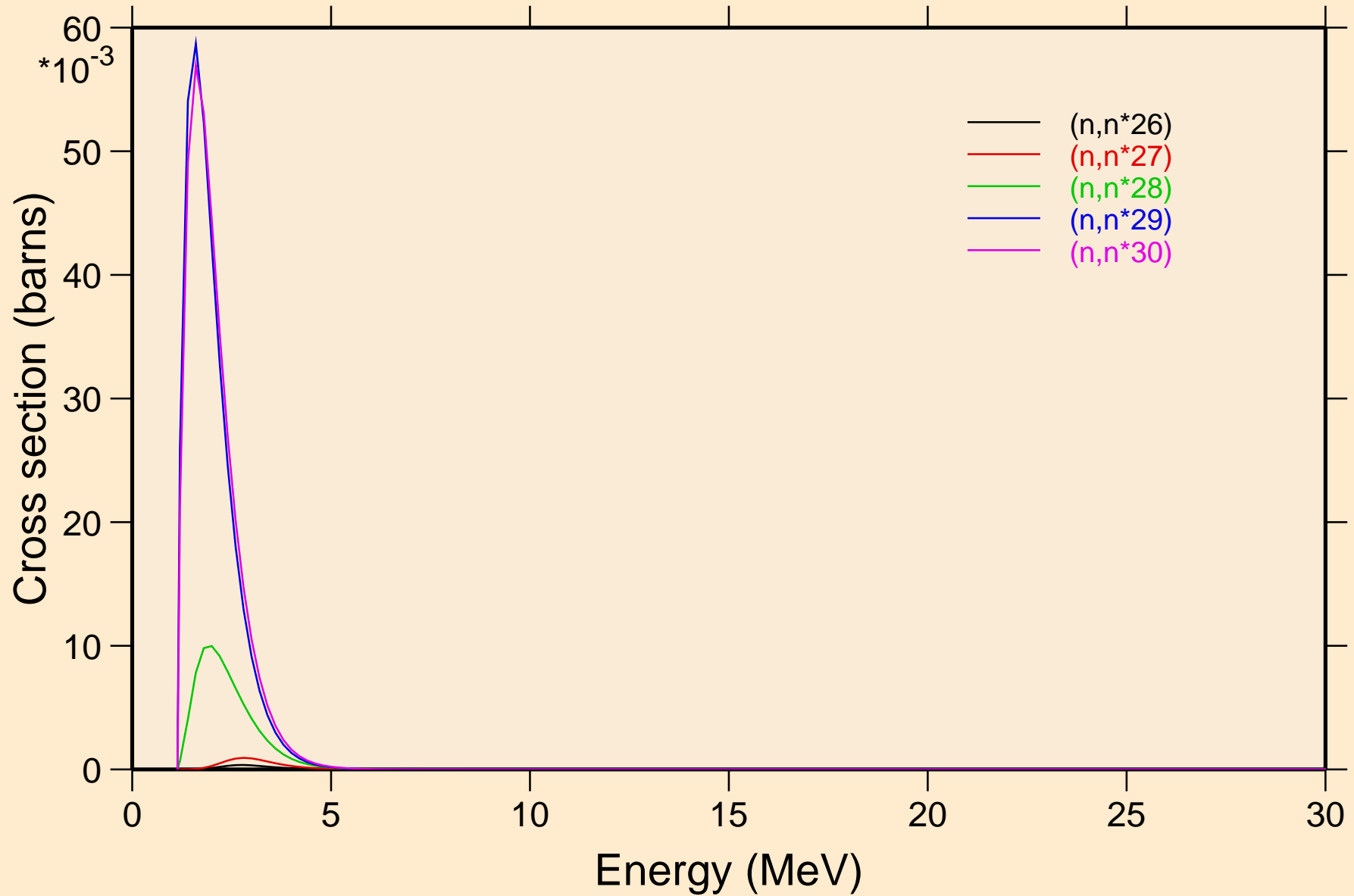
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



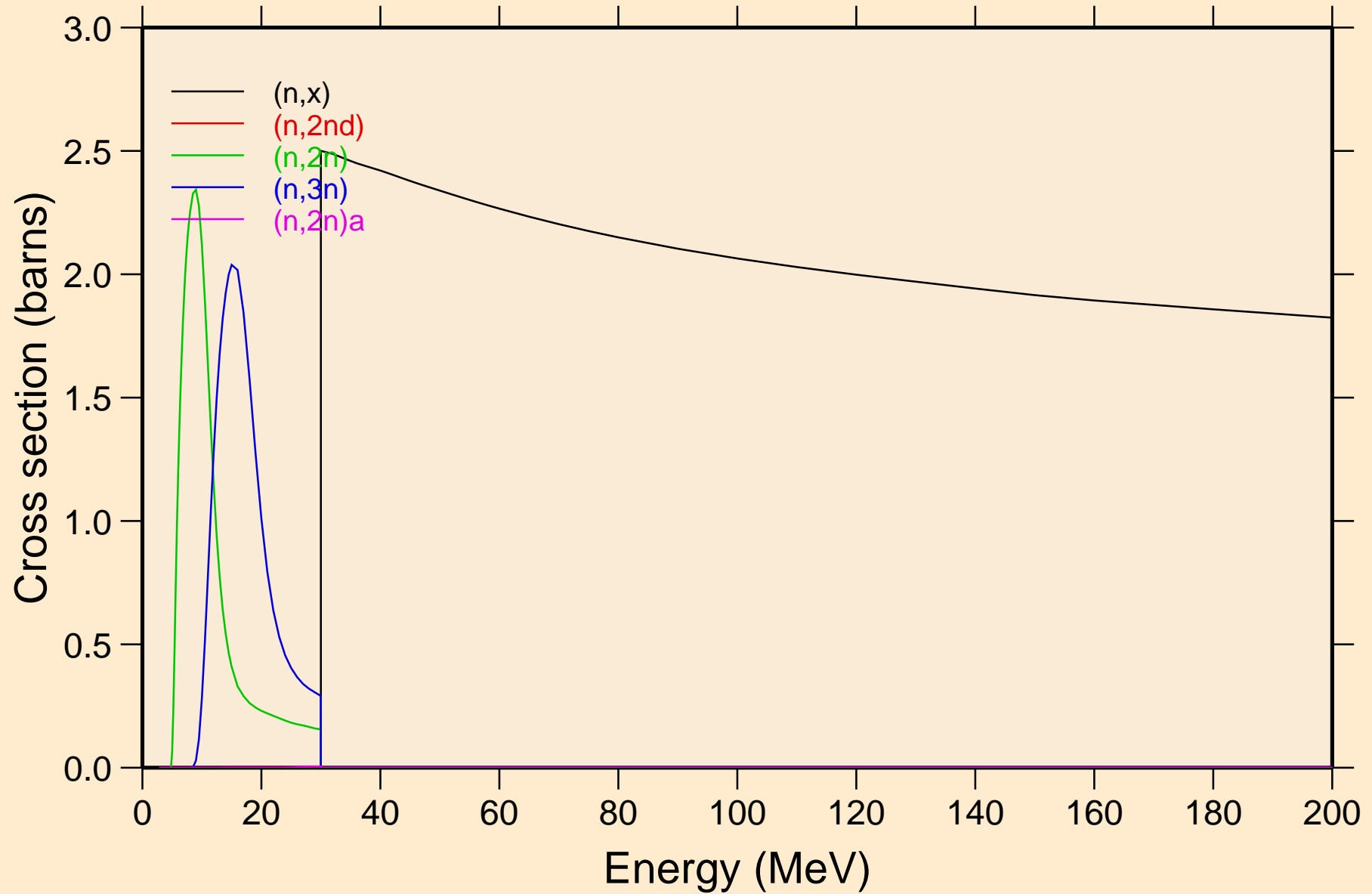
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

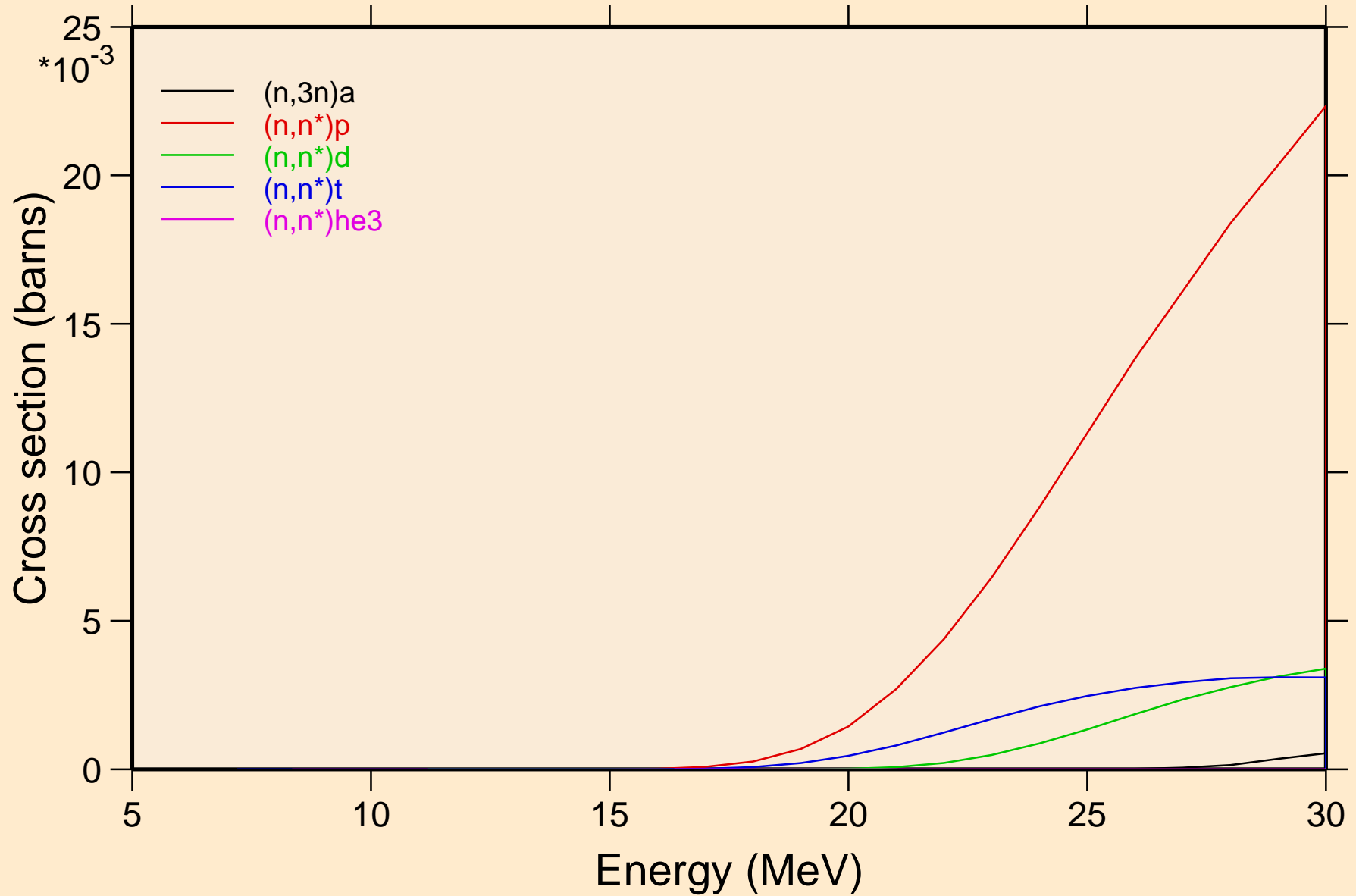


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

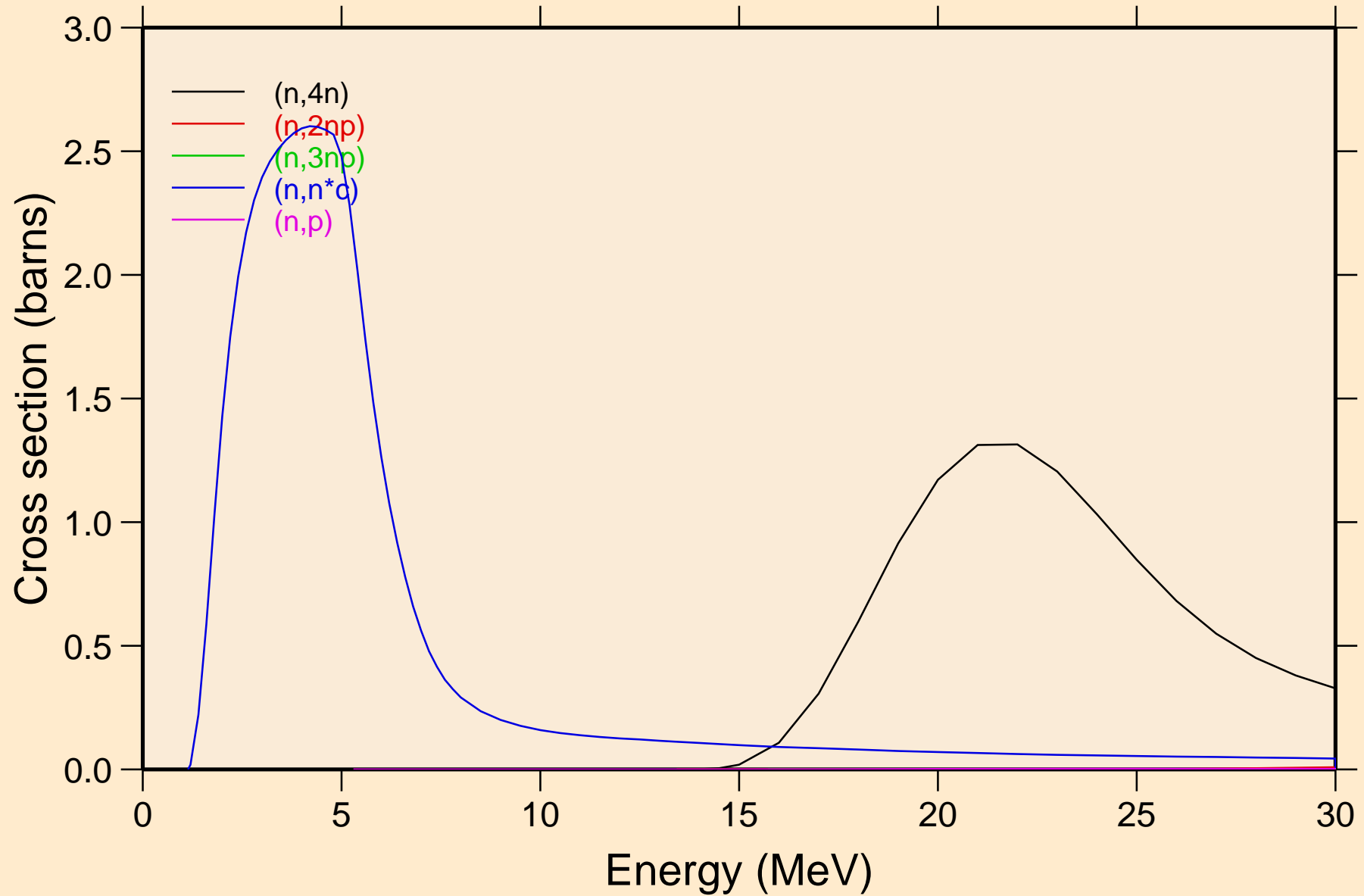


# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

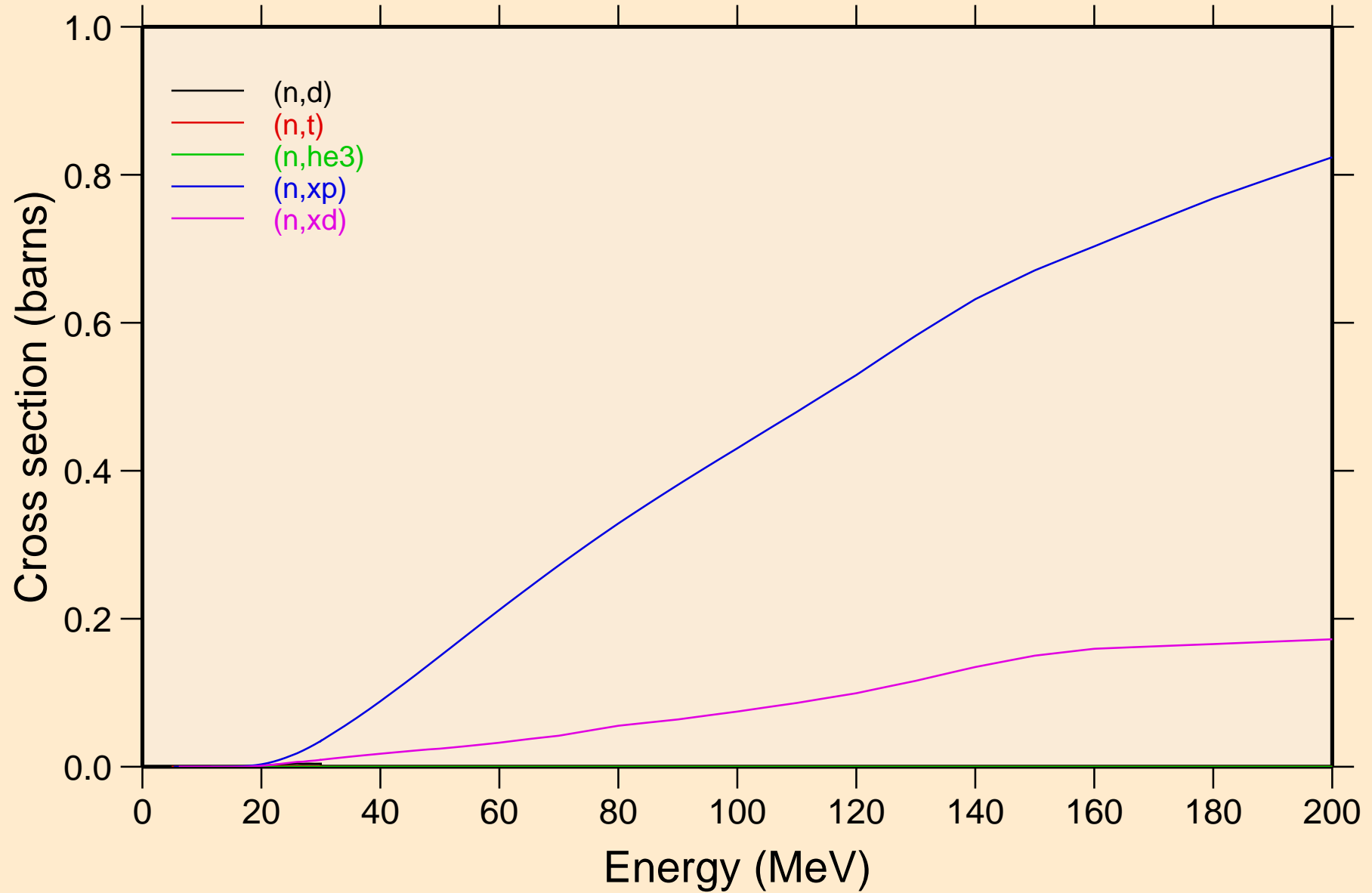
## Threshold reactions



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

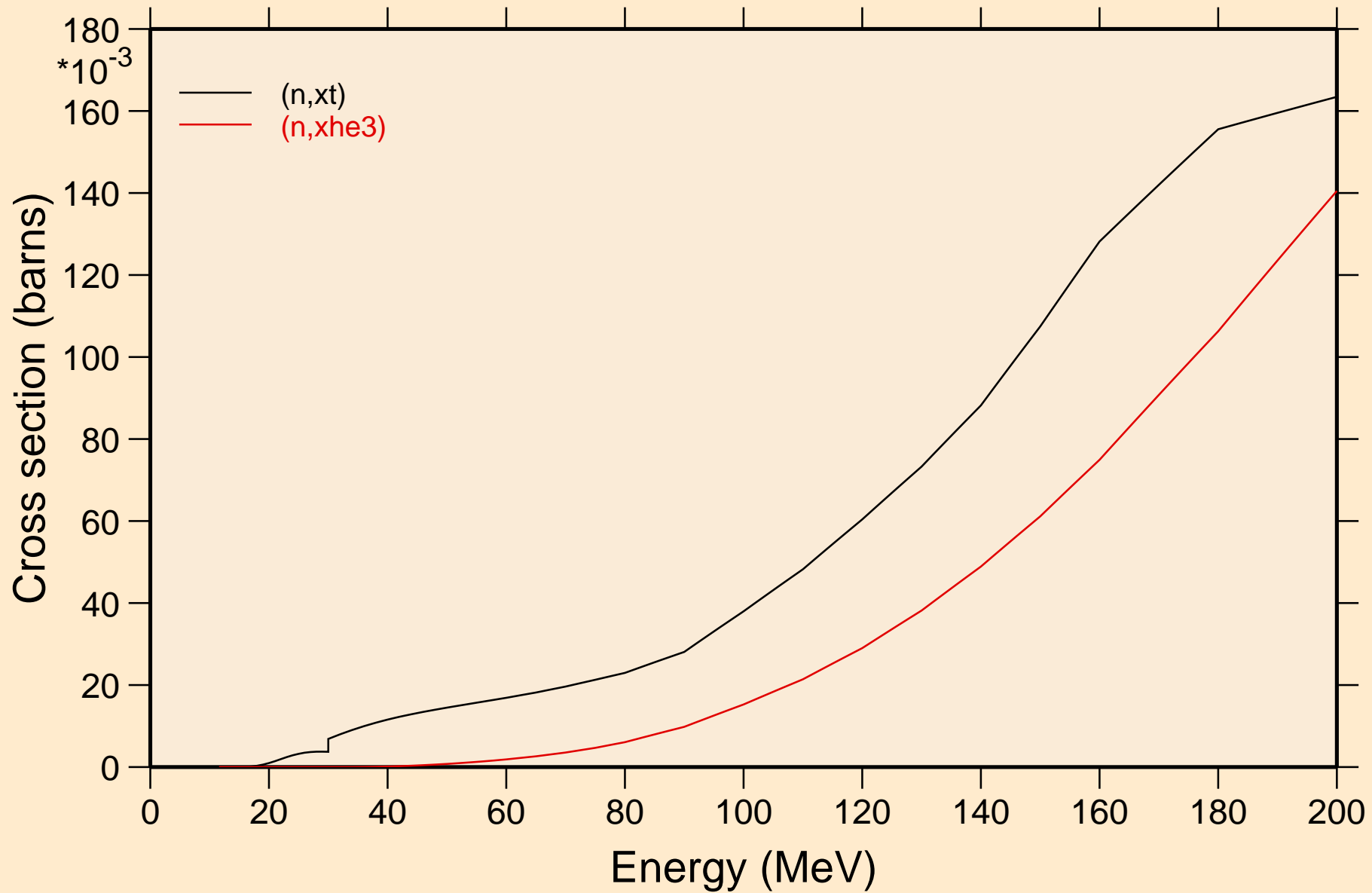


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

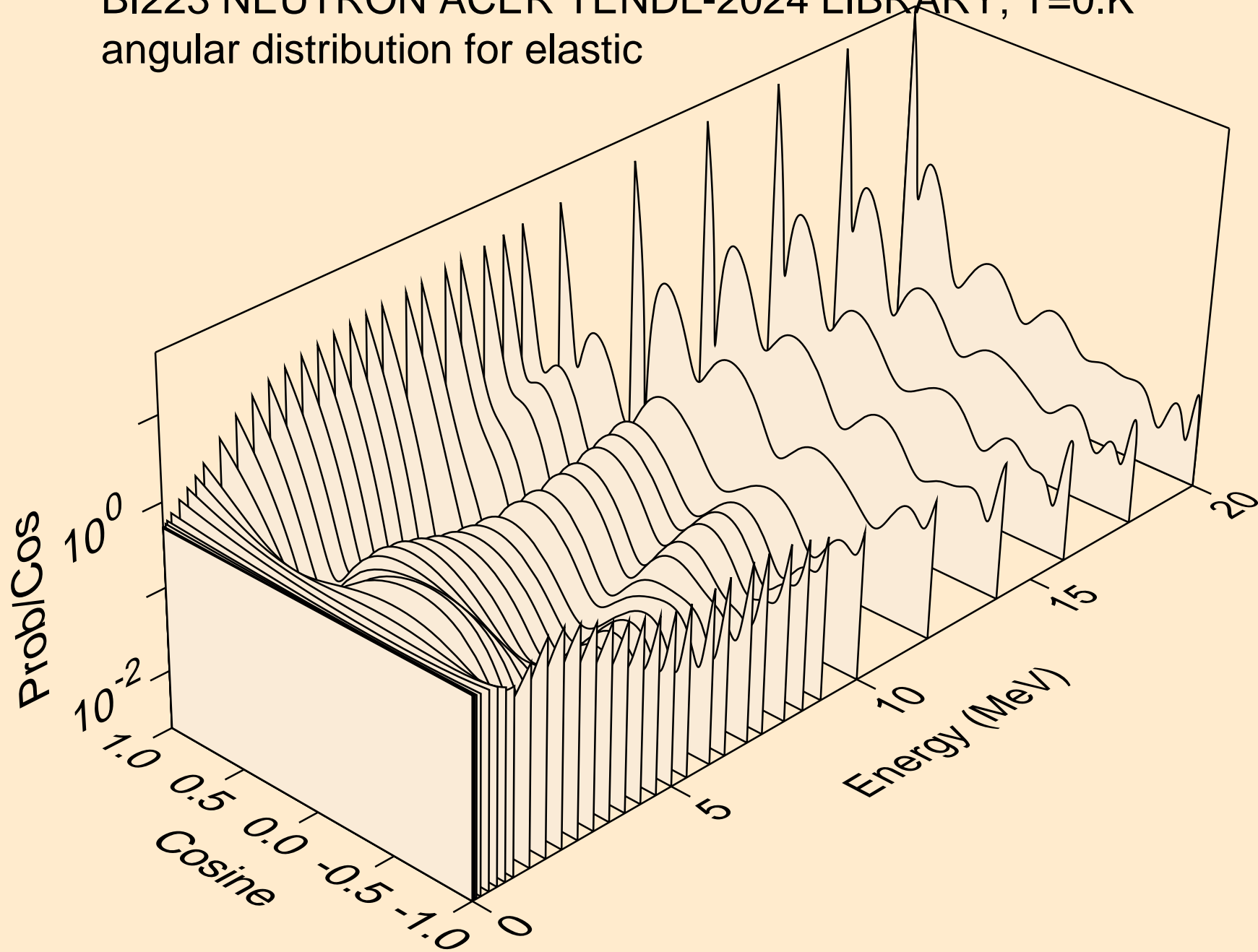




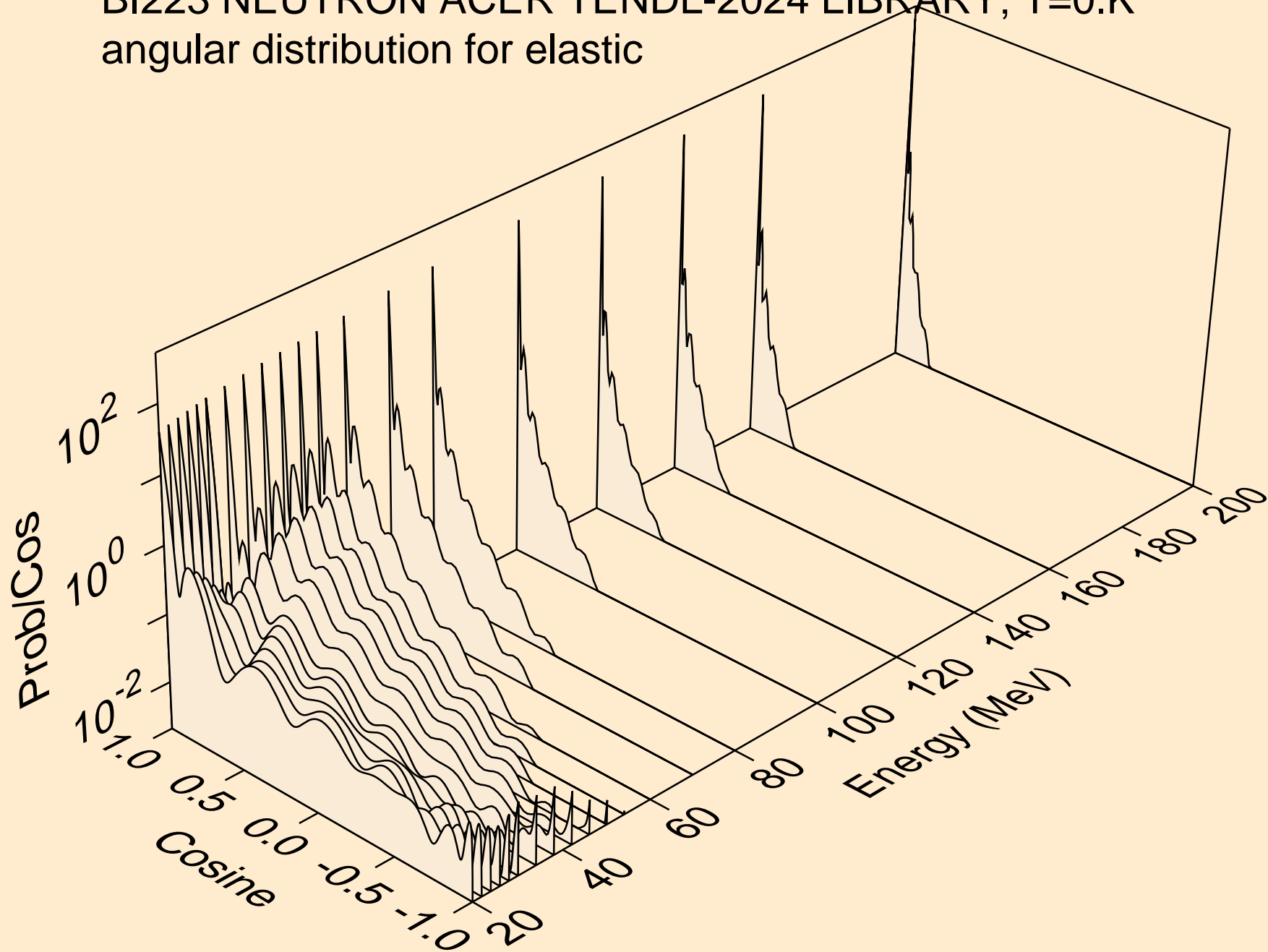
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



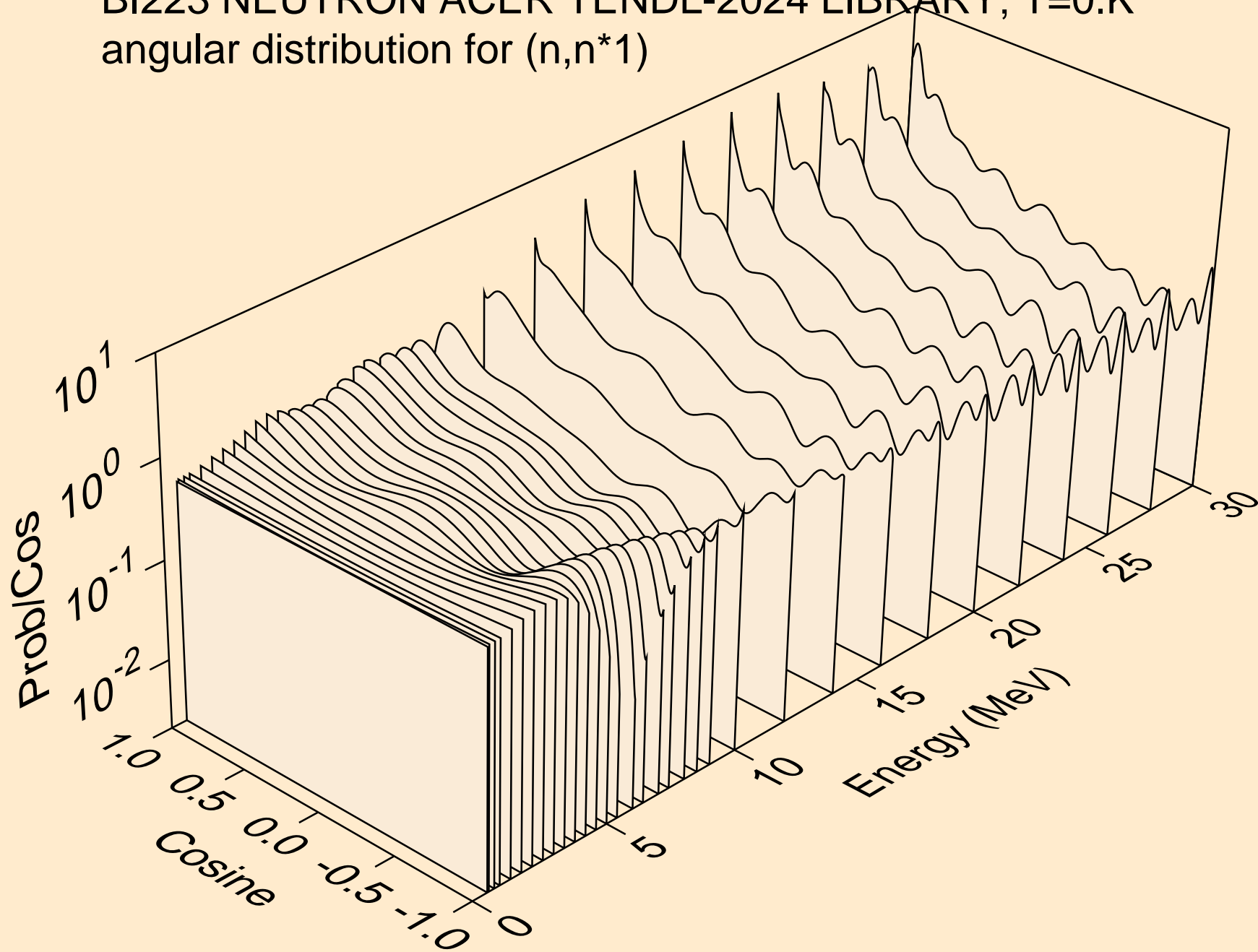
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



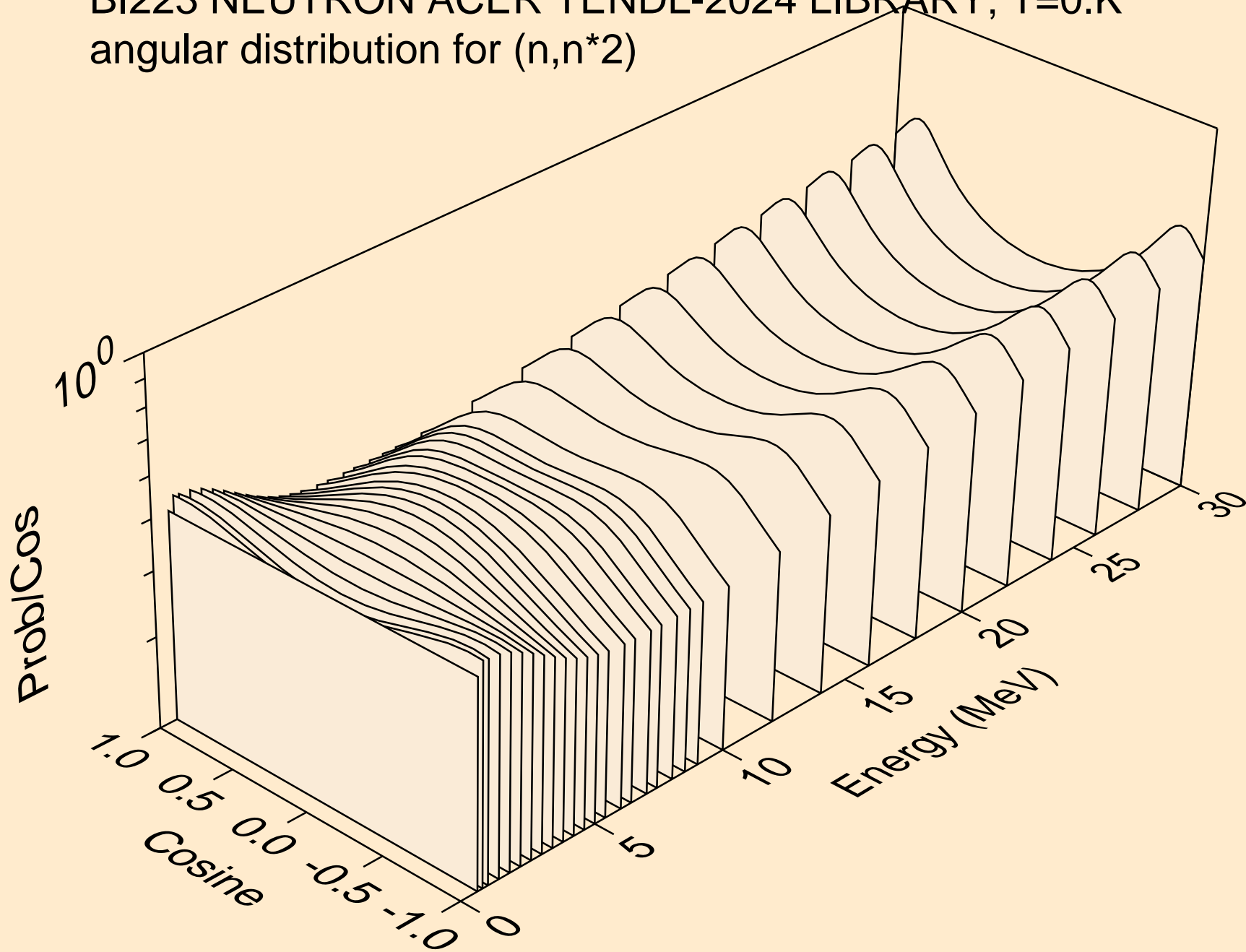
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



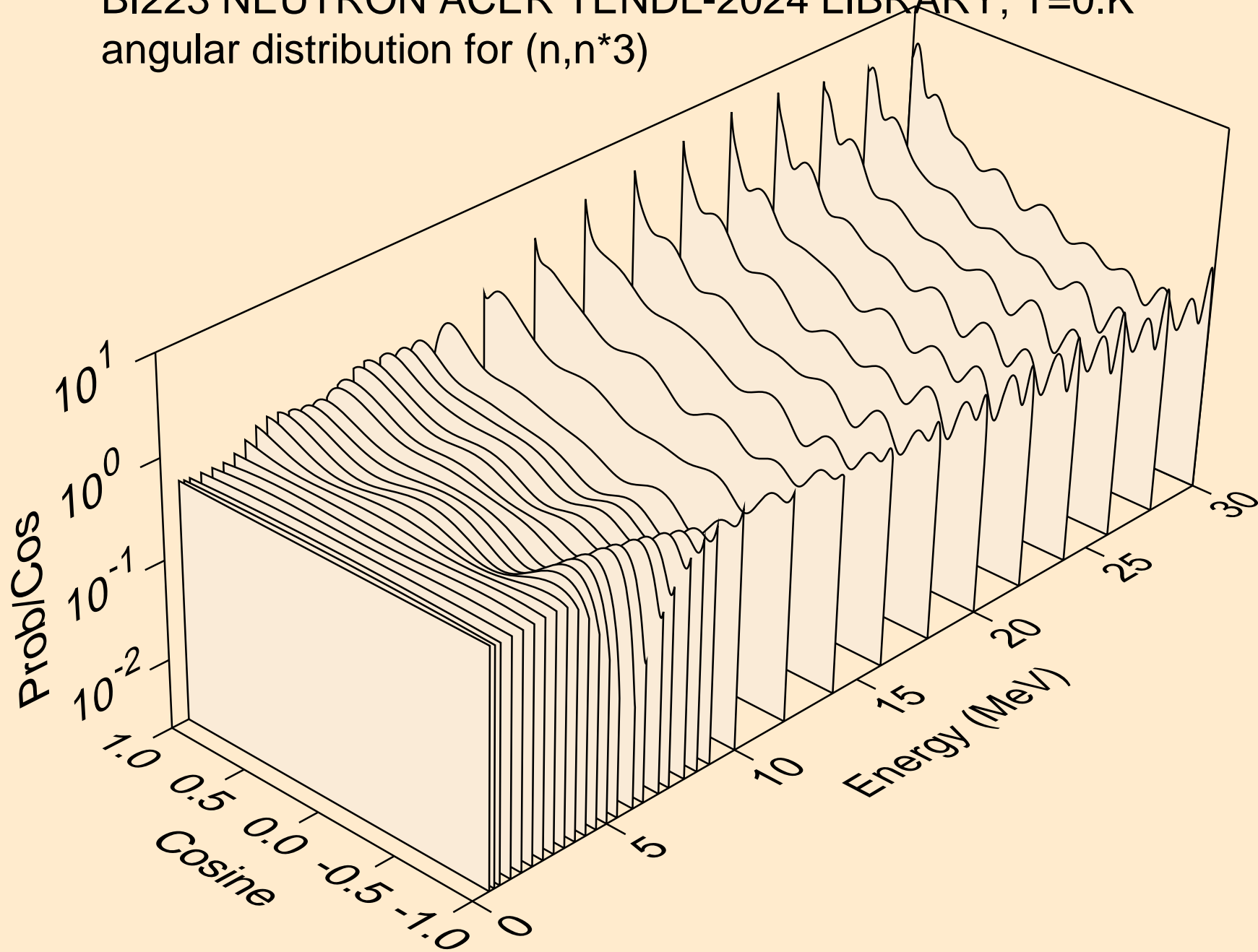
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



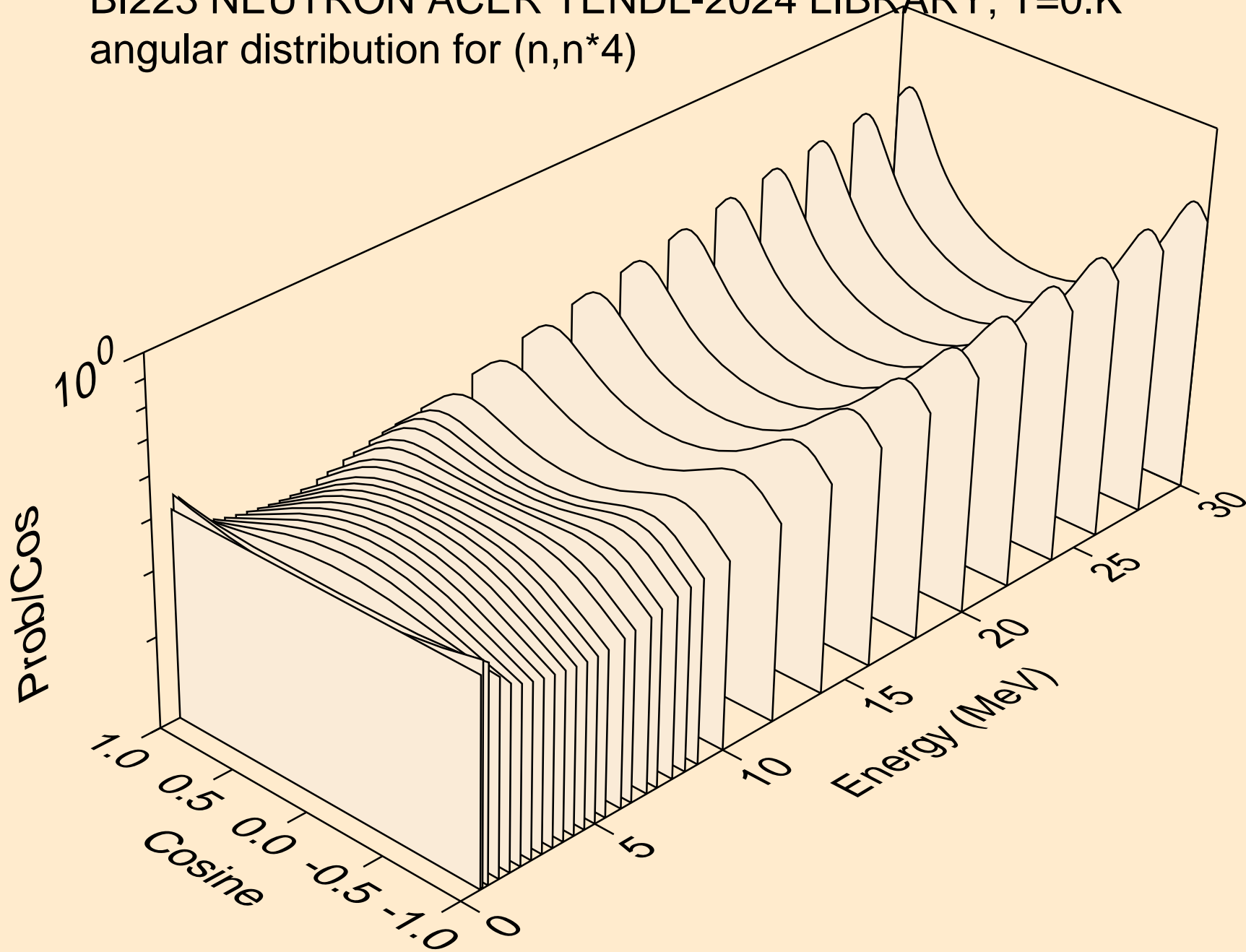
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



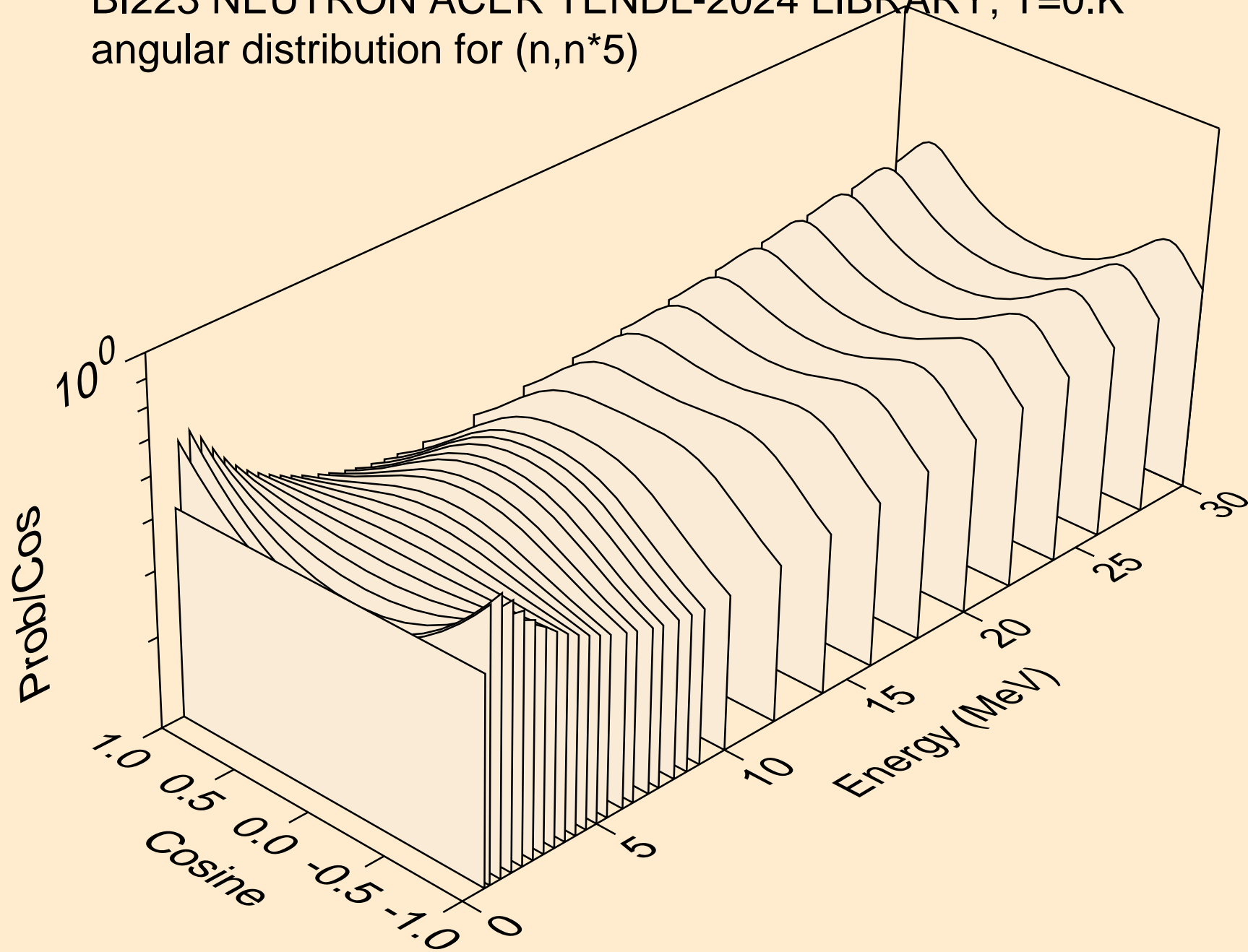
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

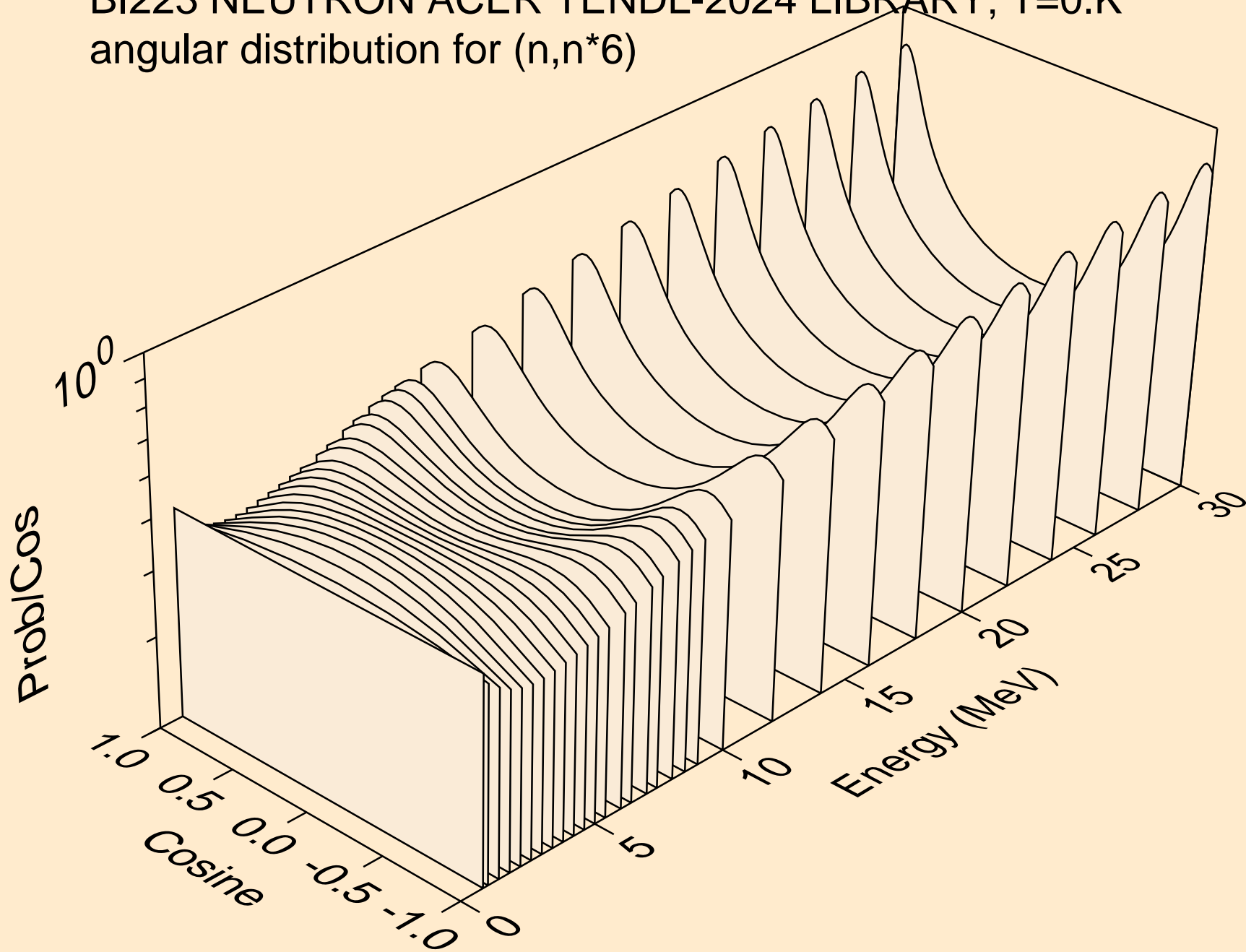


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

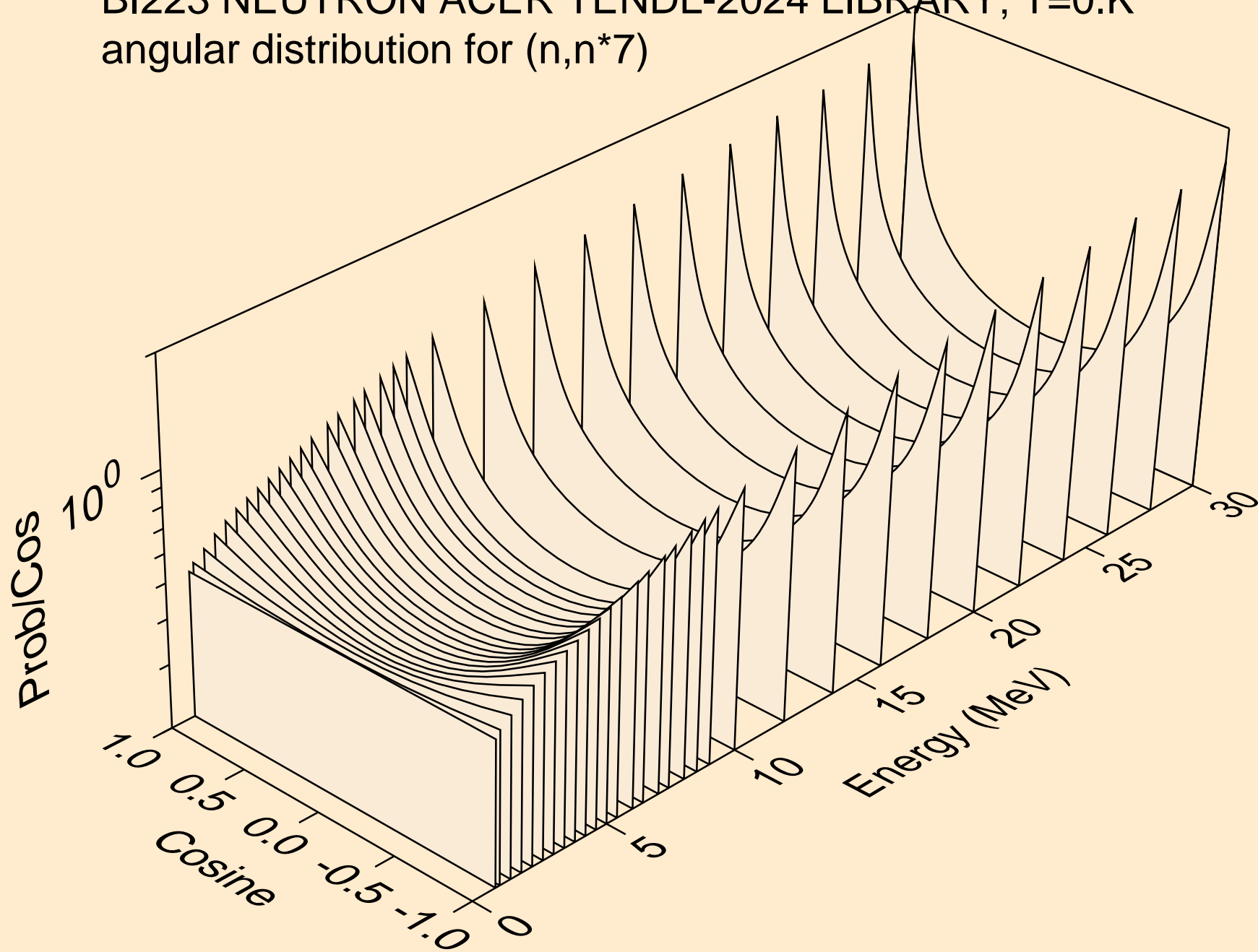




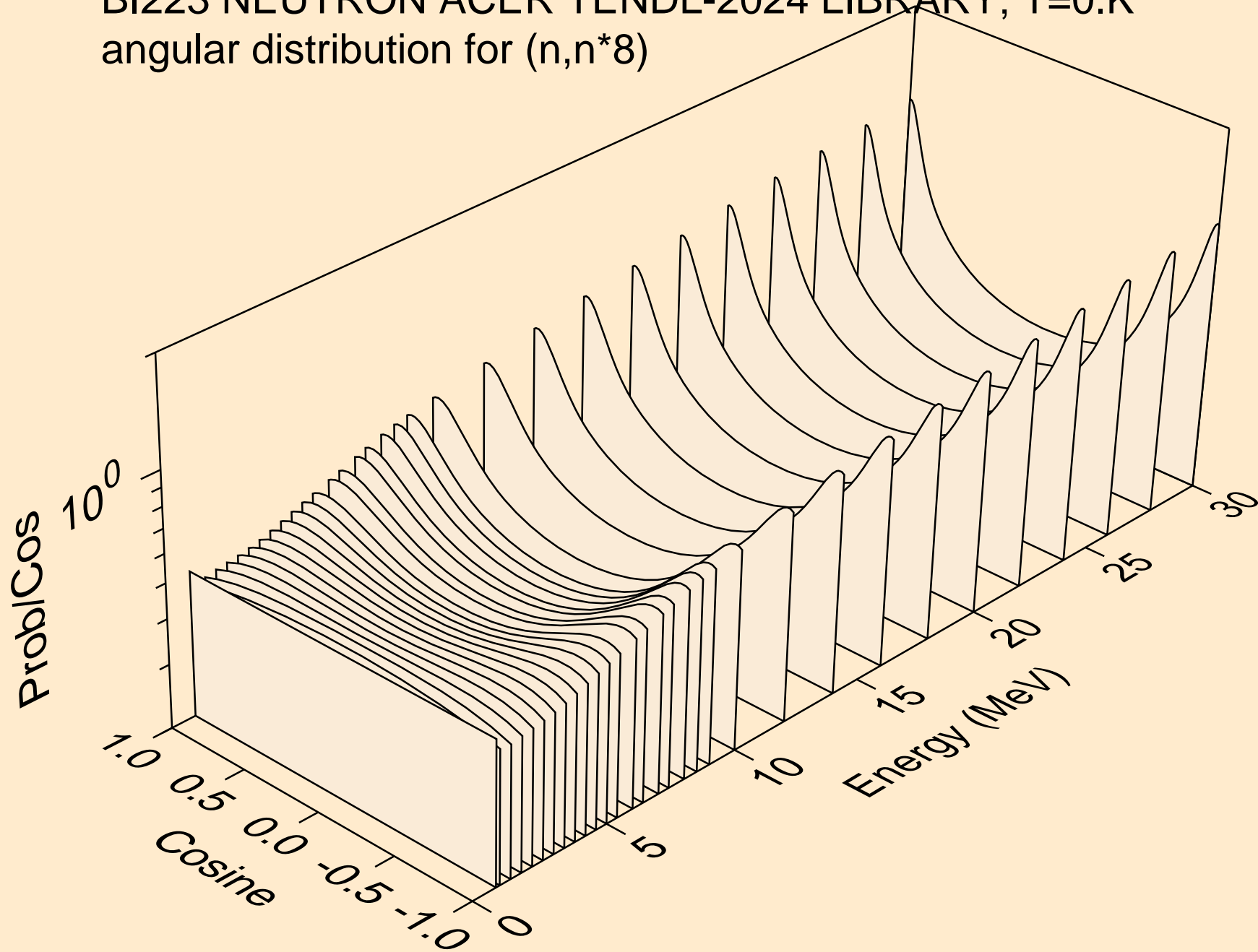
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



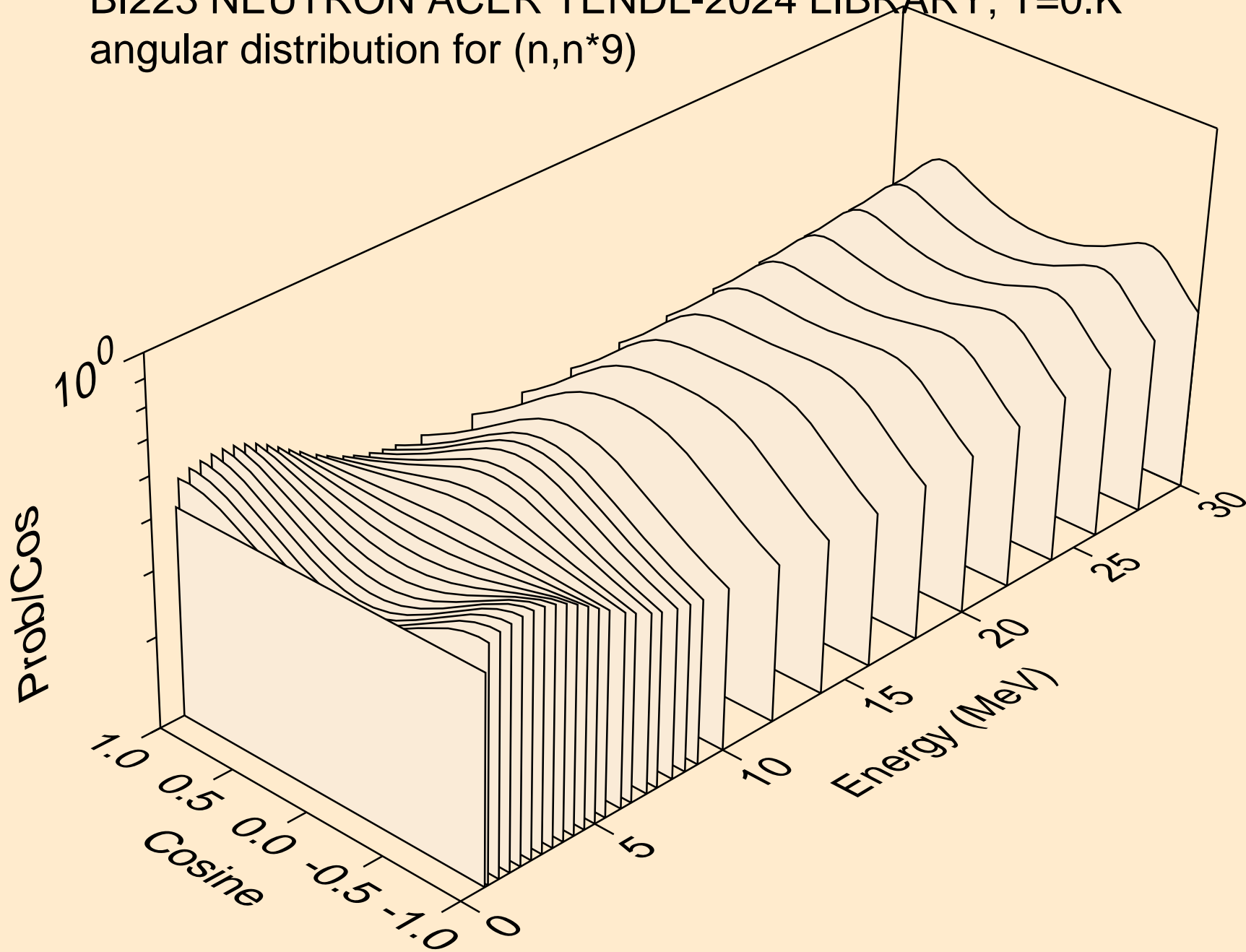
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



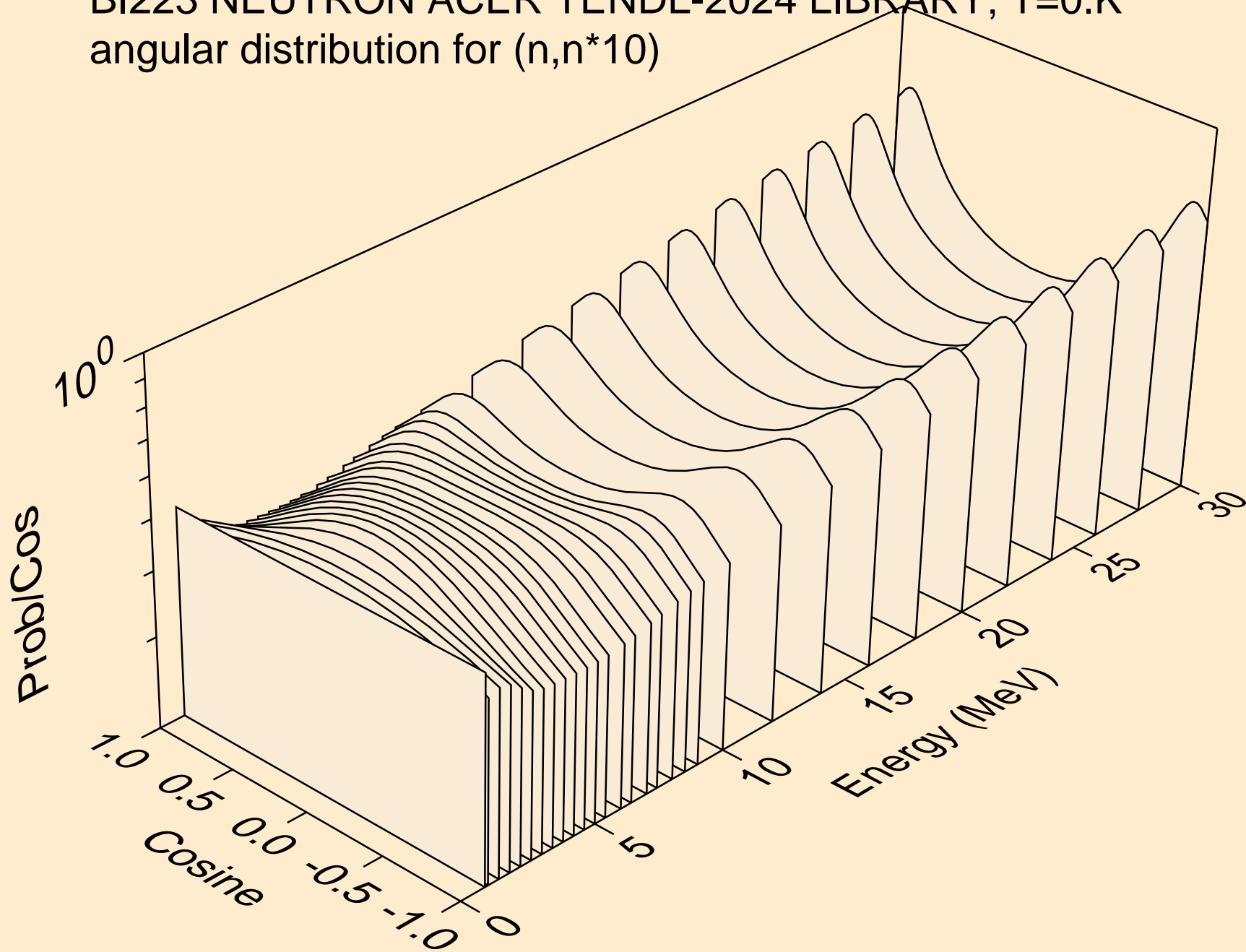
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



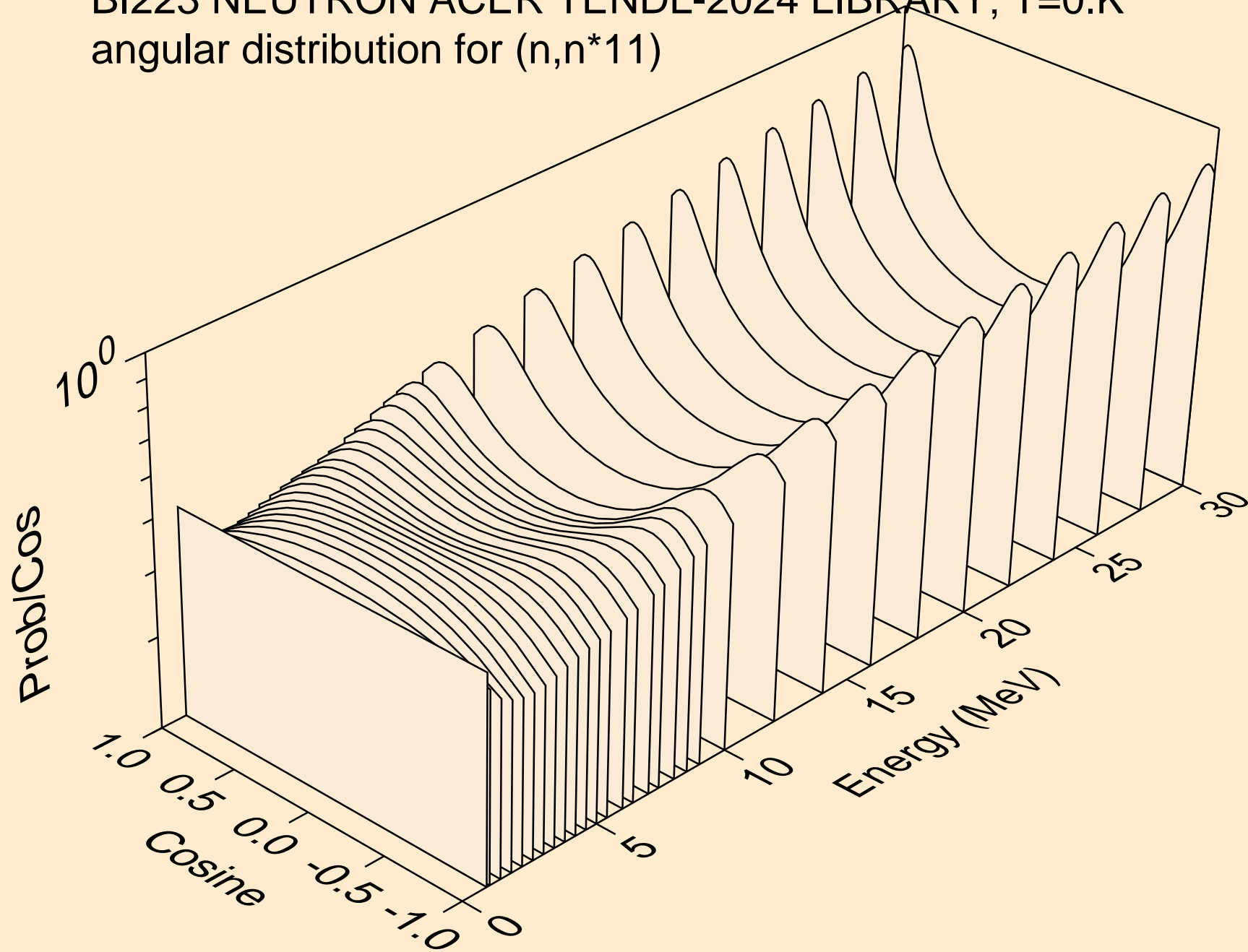
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



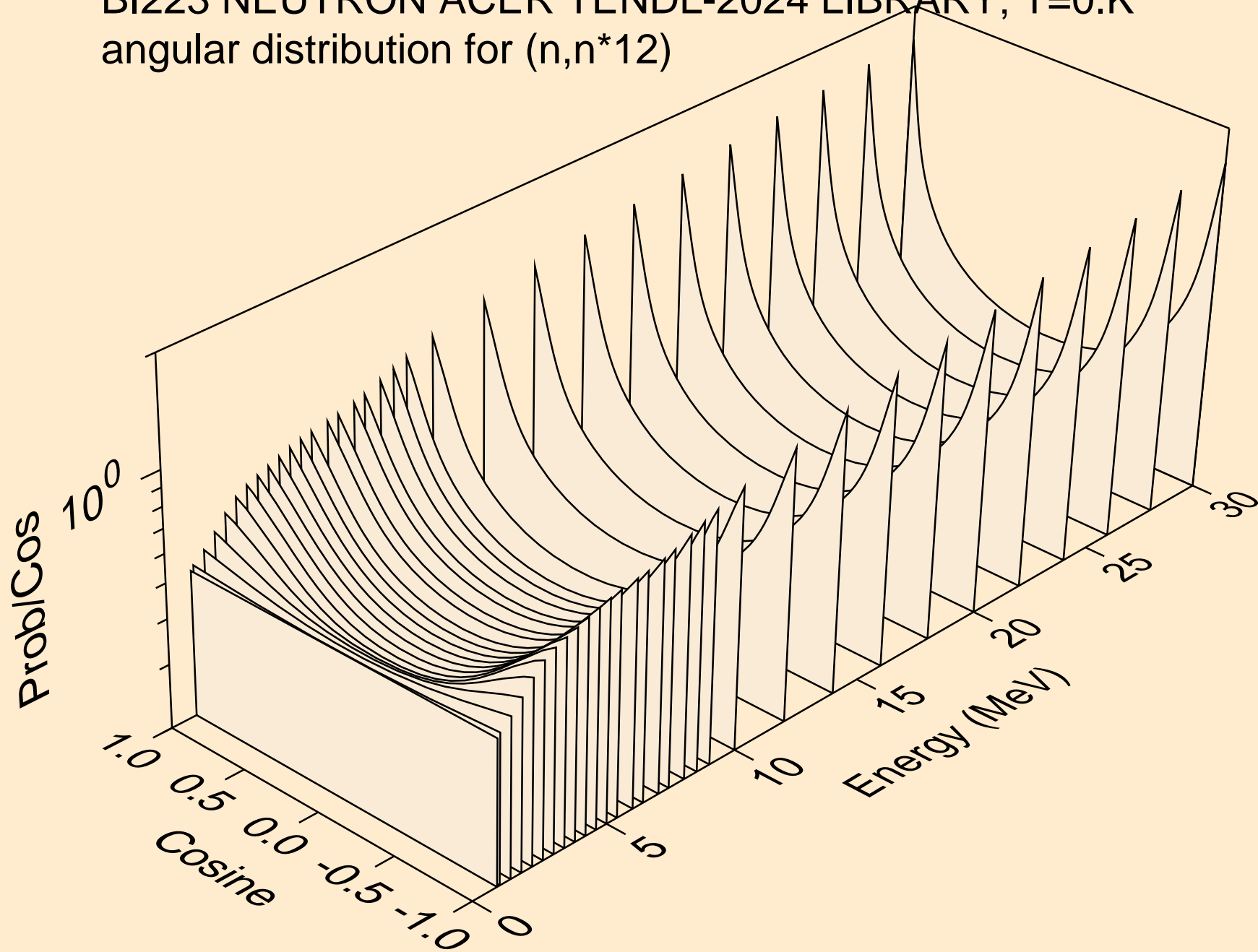
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



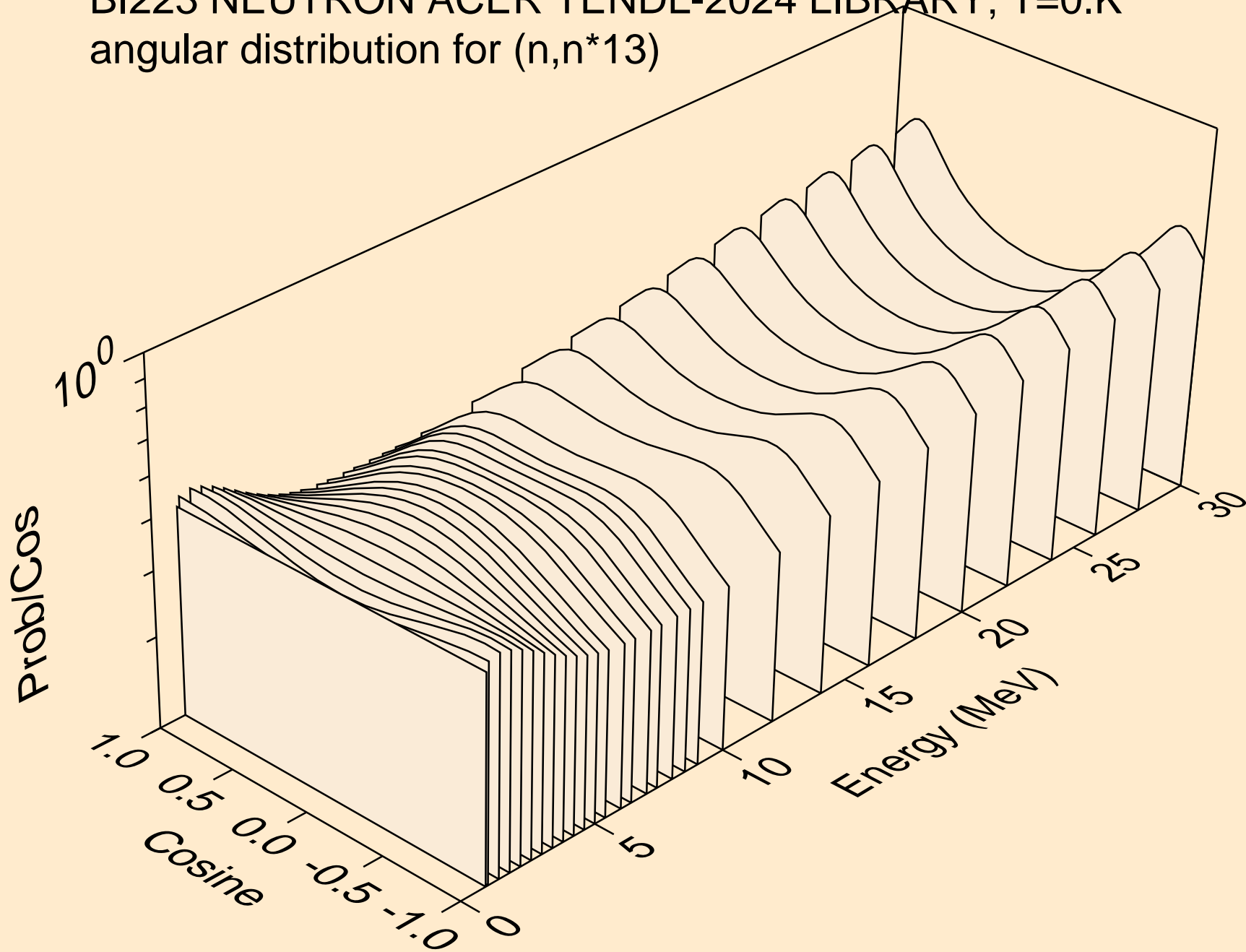
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

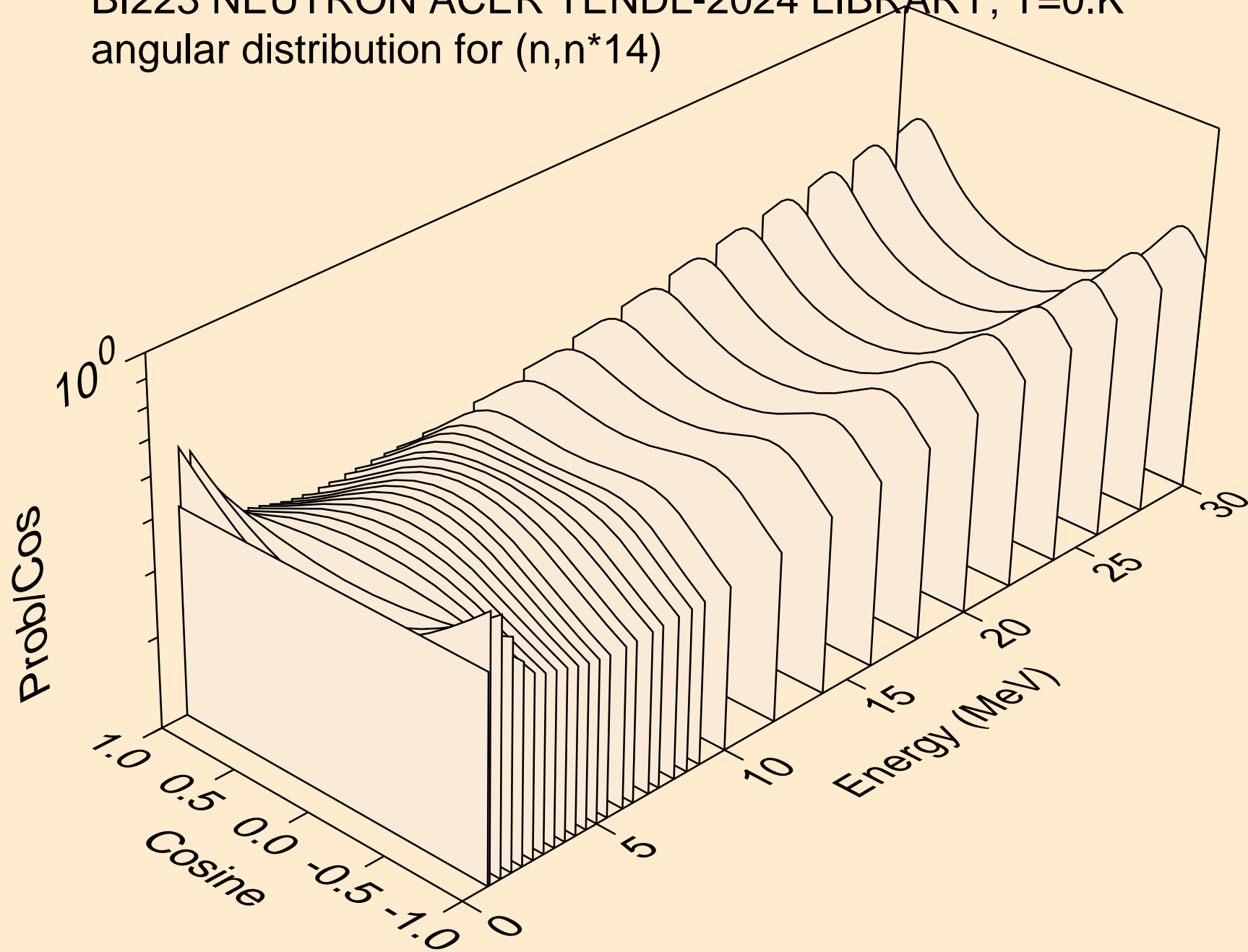


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

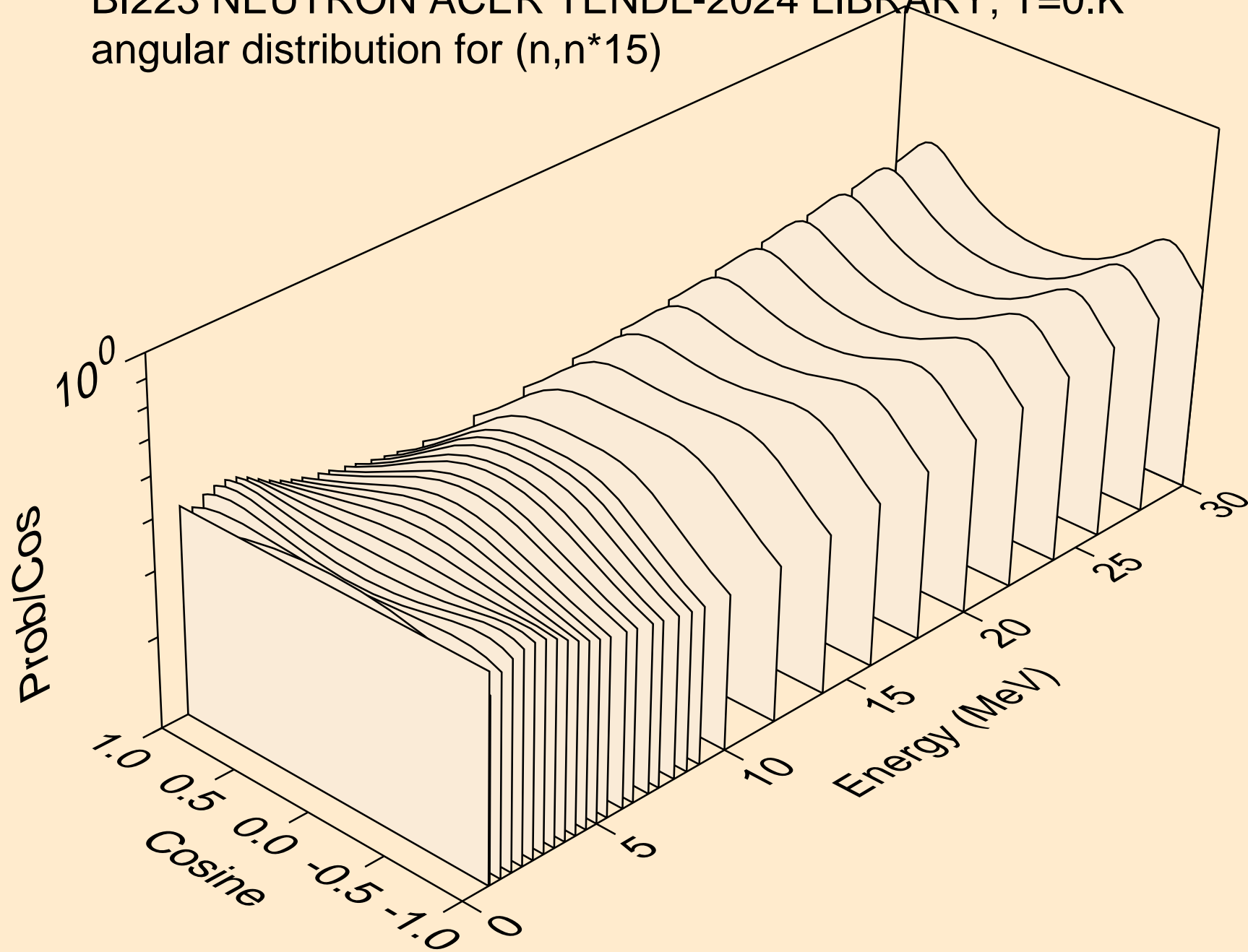




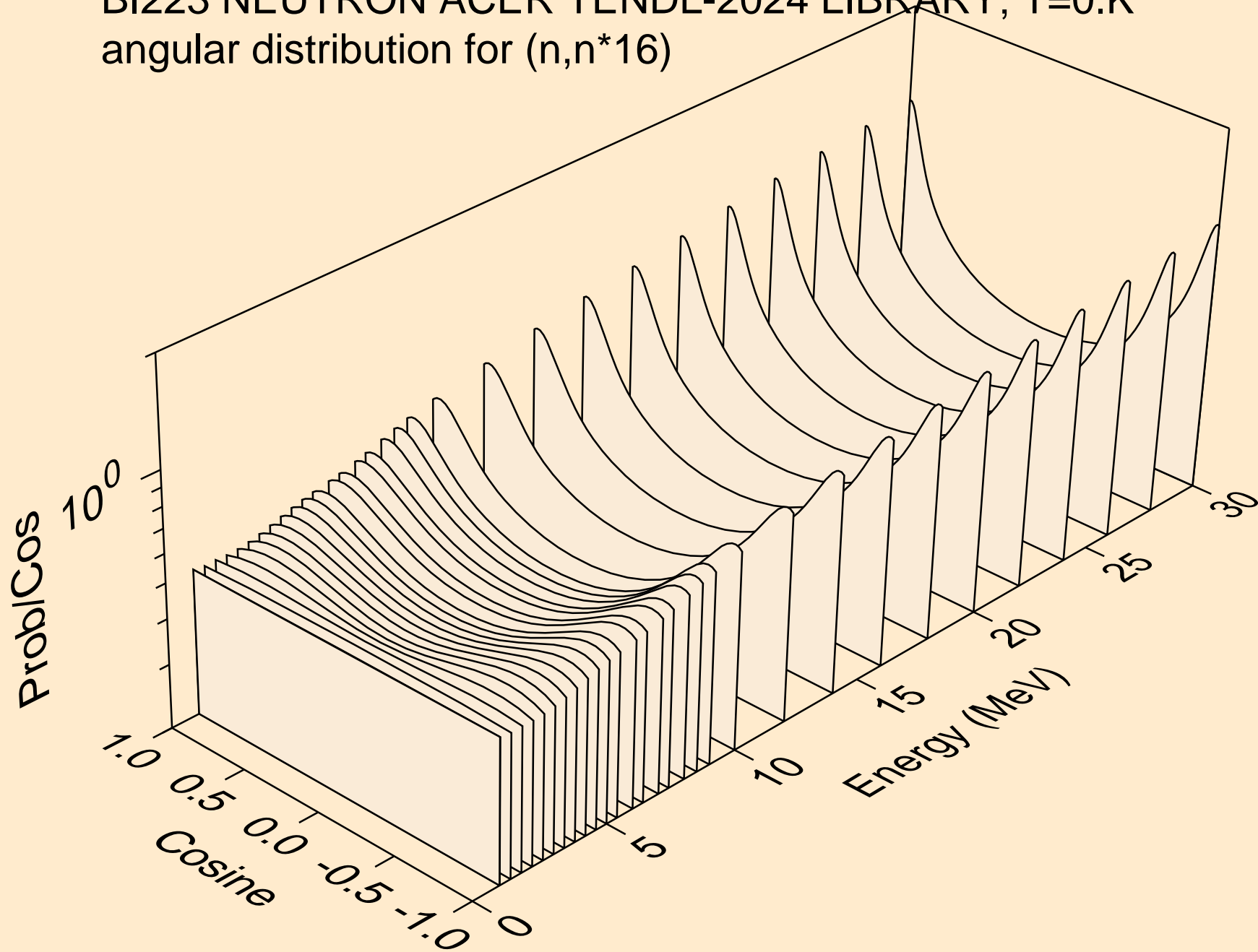
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



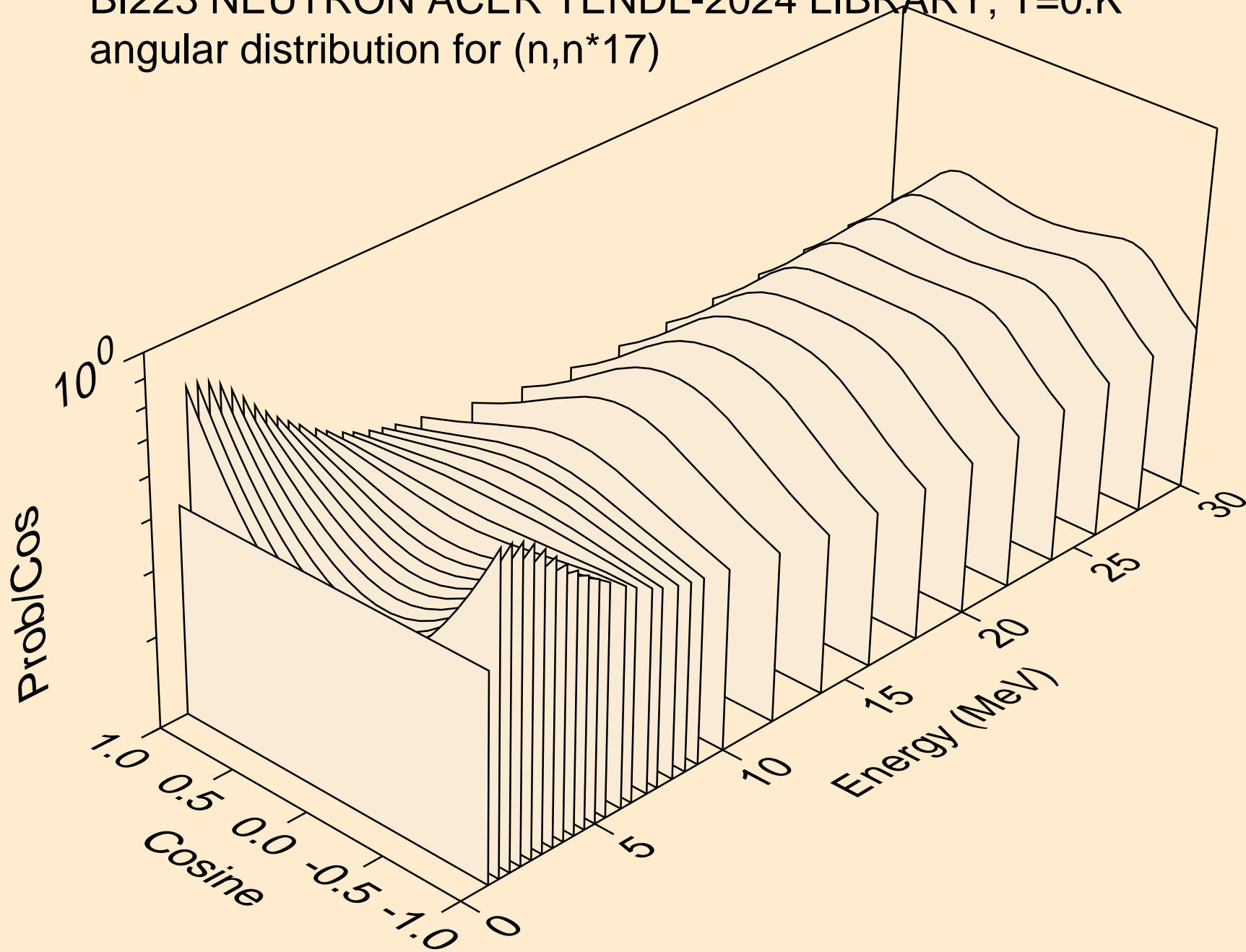
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



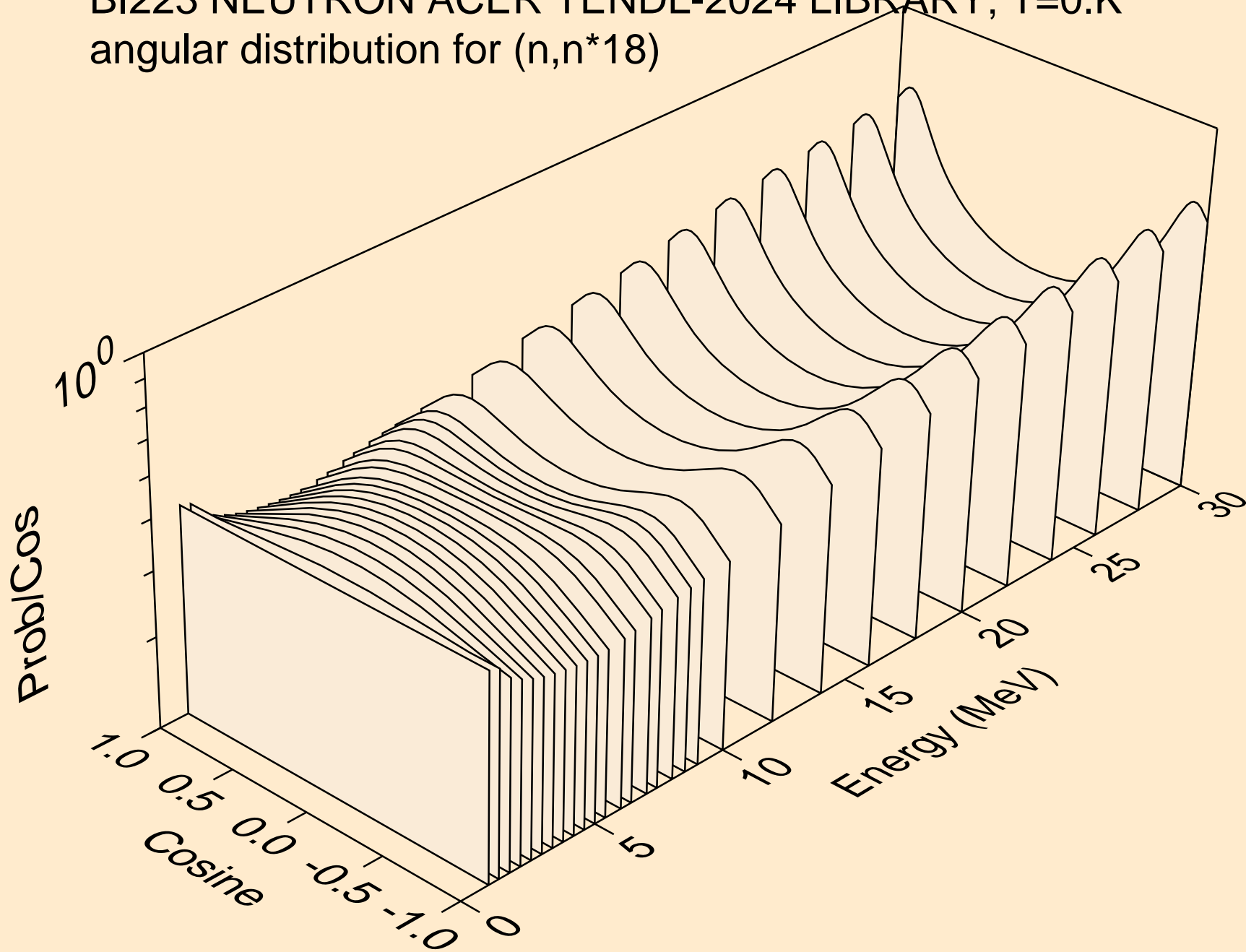
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



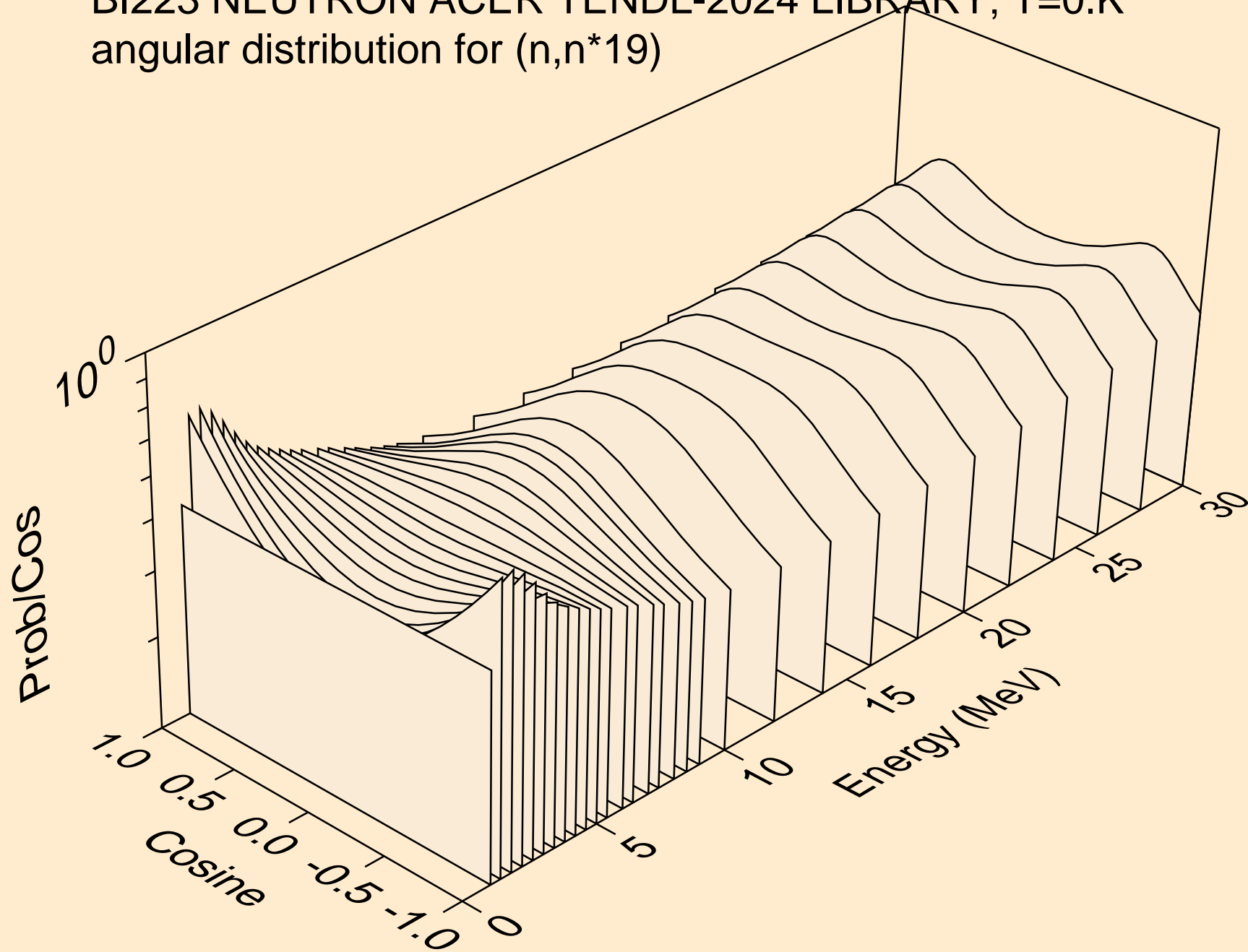
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



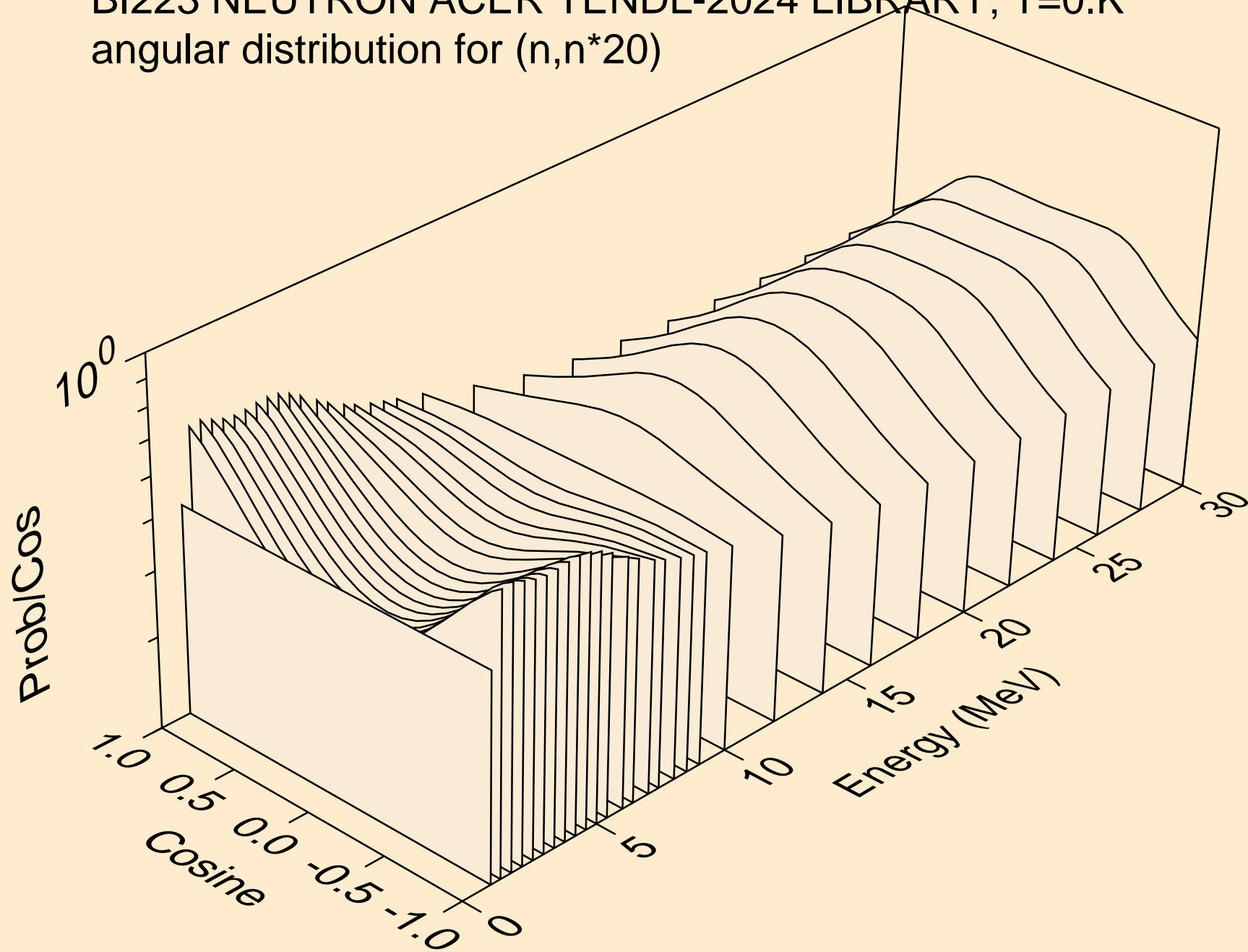
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



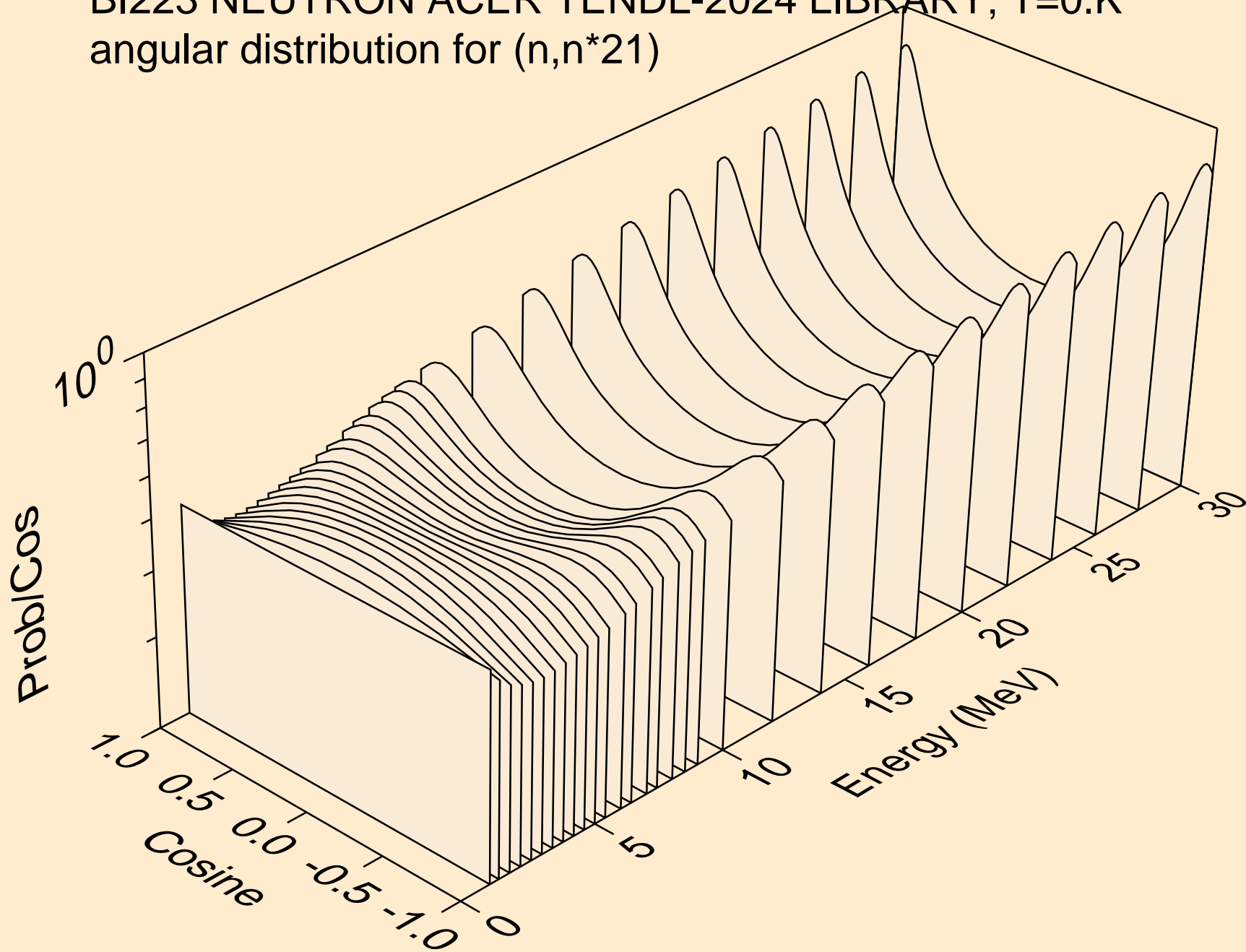
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

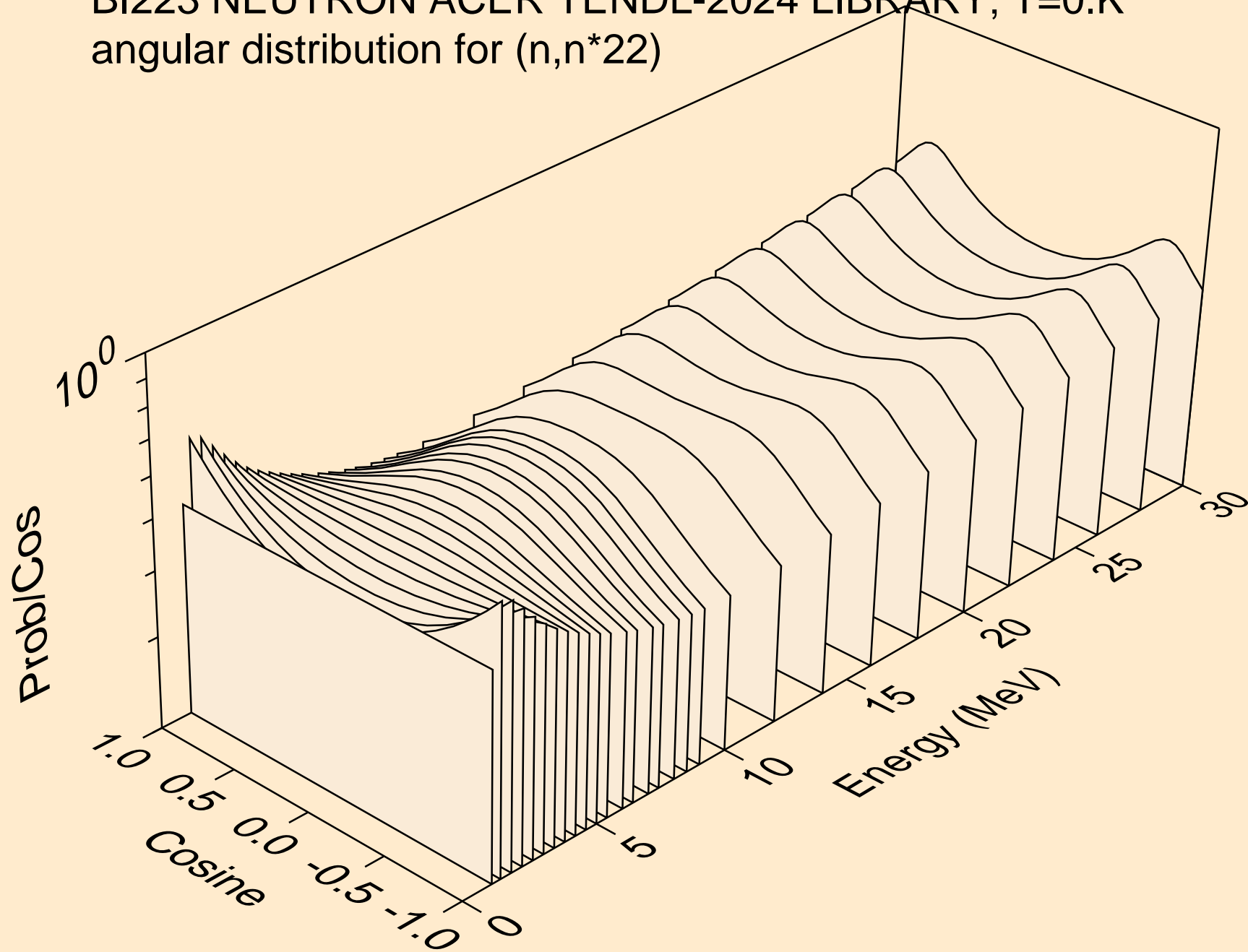


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

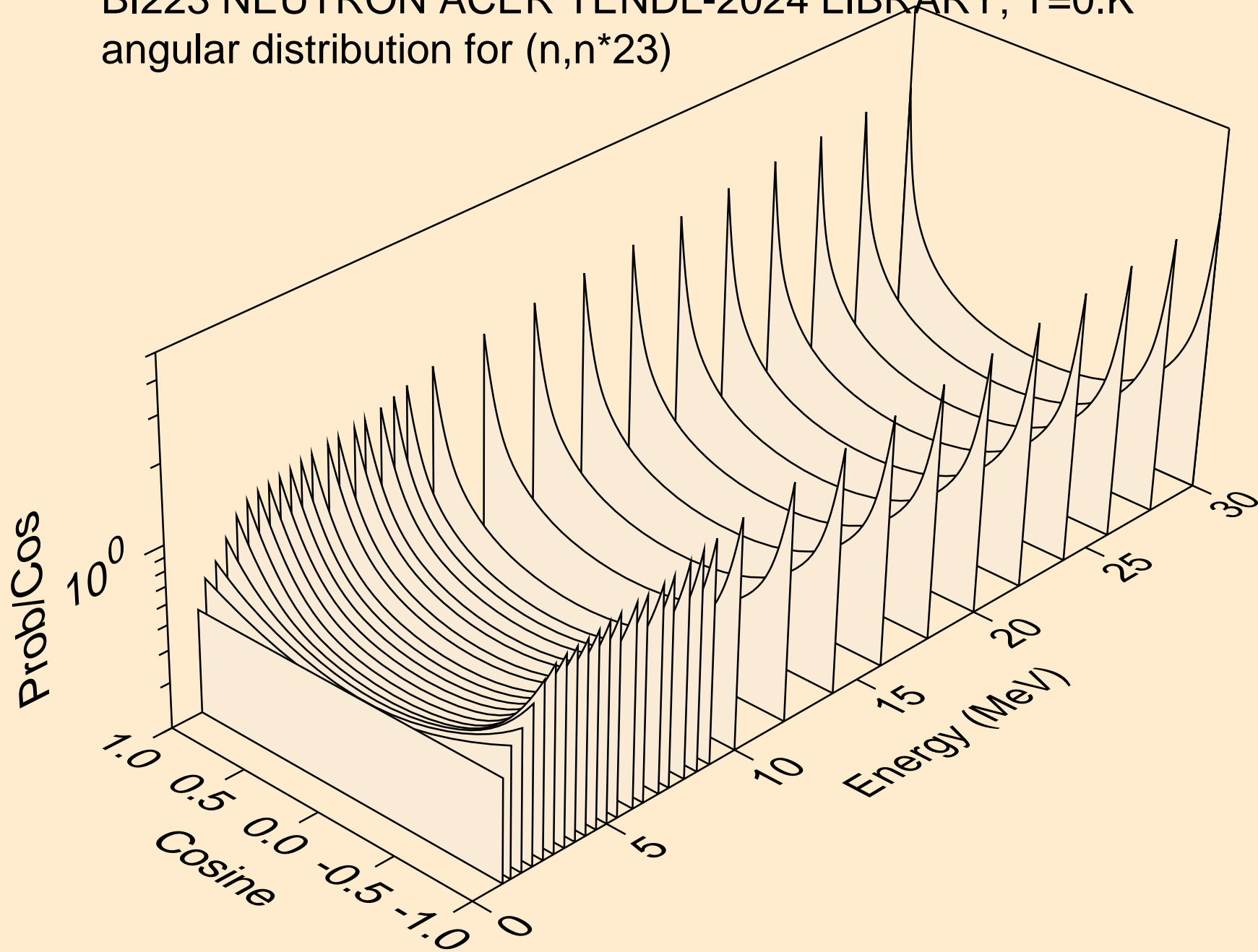




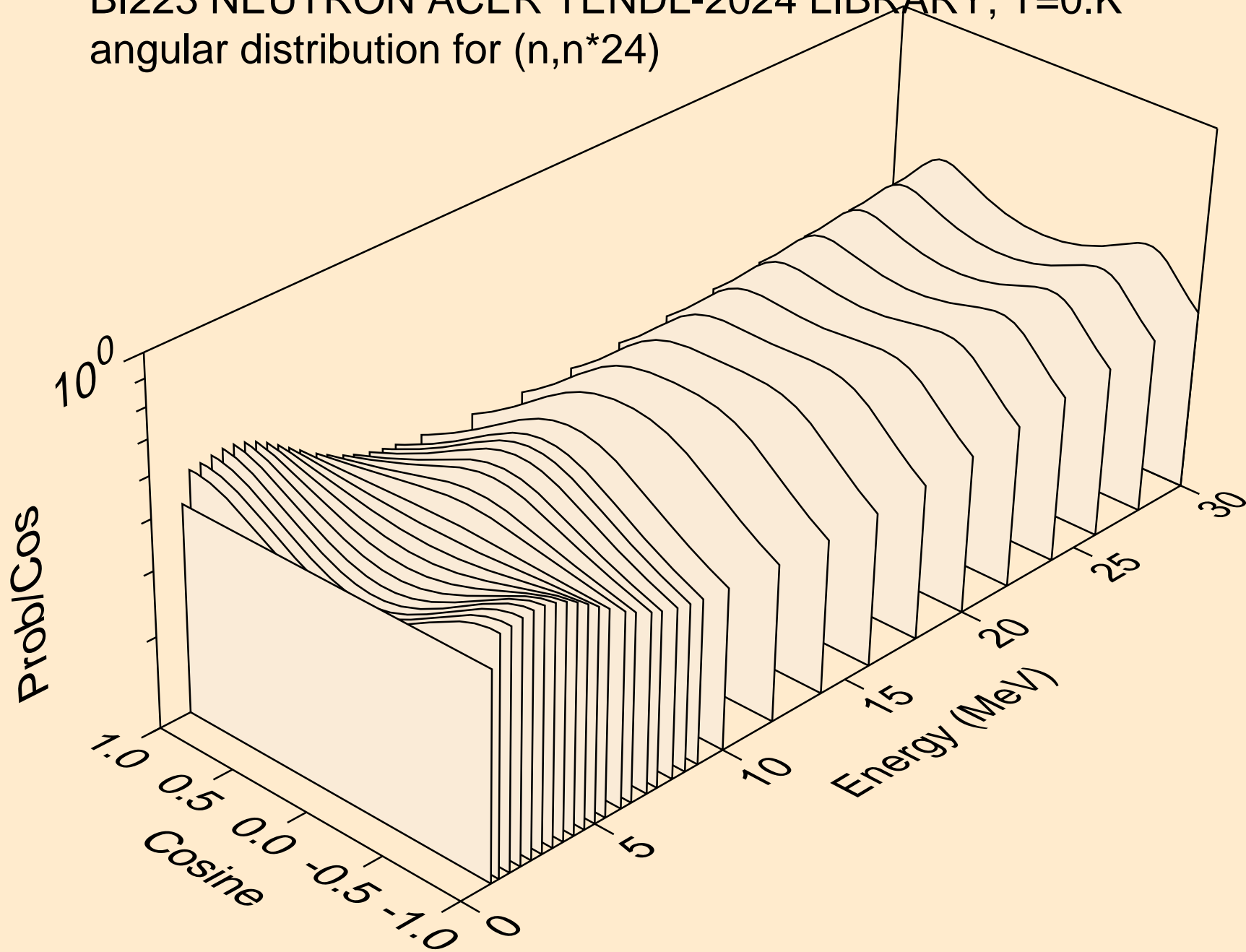
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



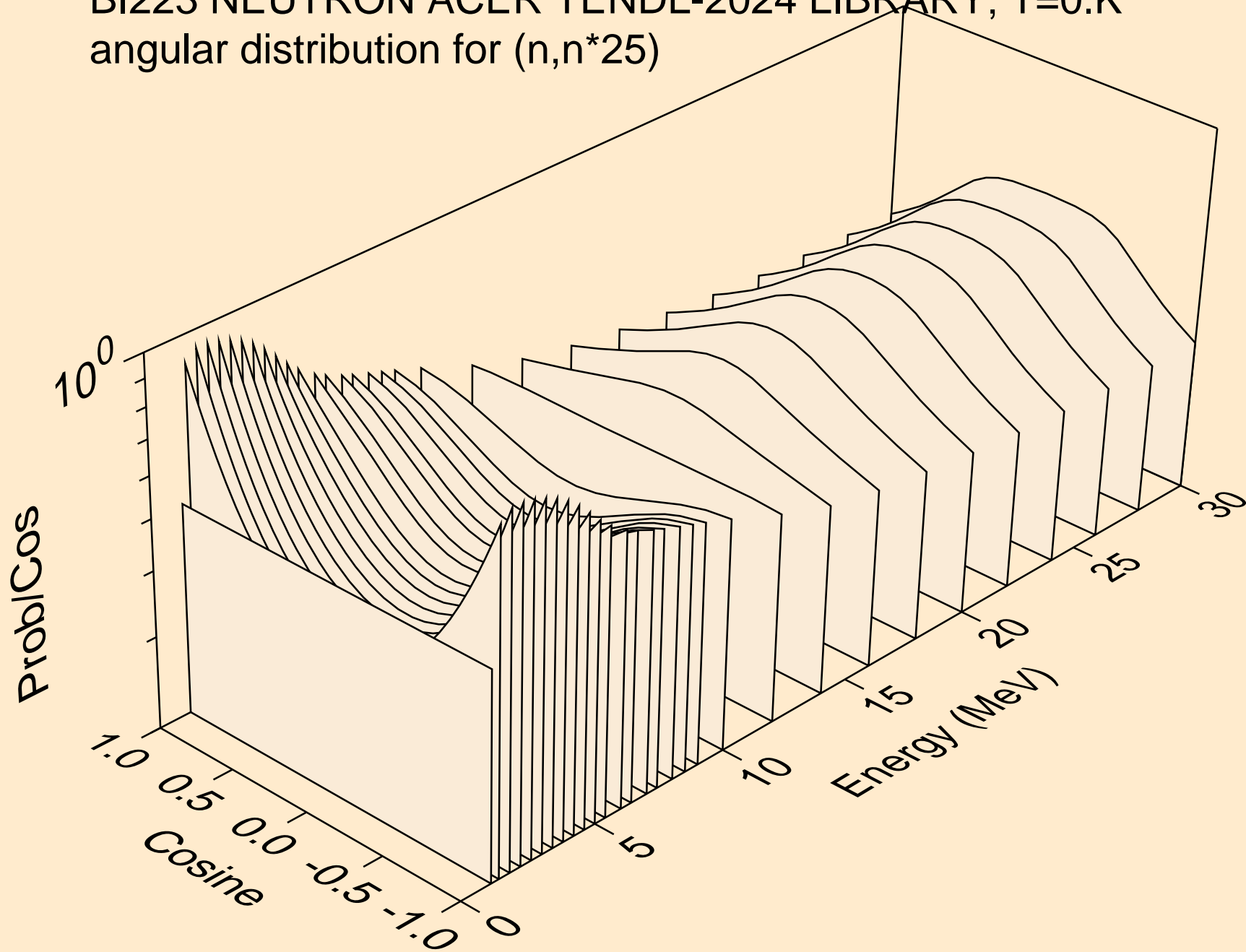
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



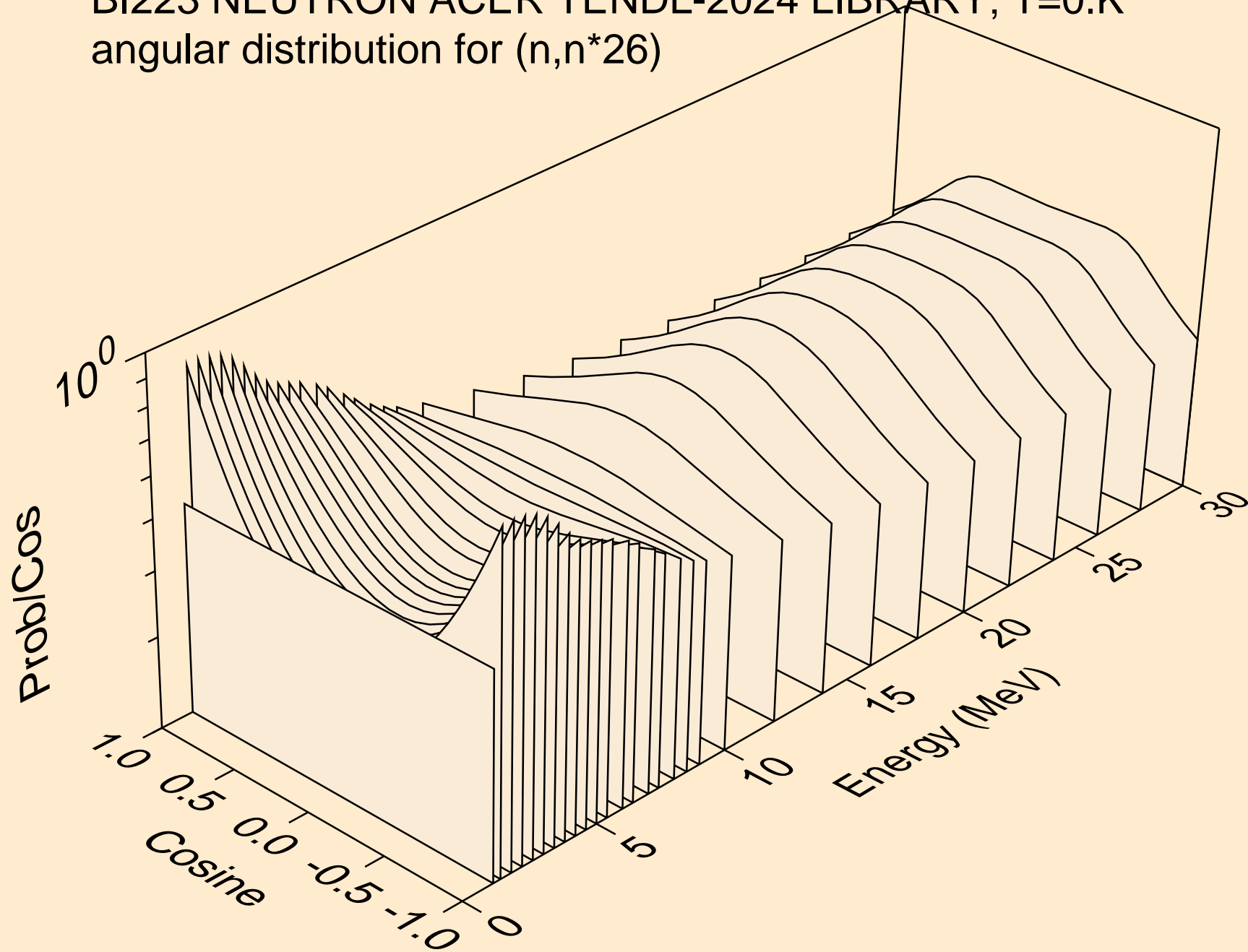
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



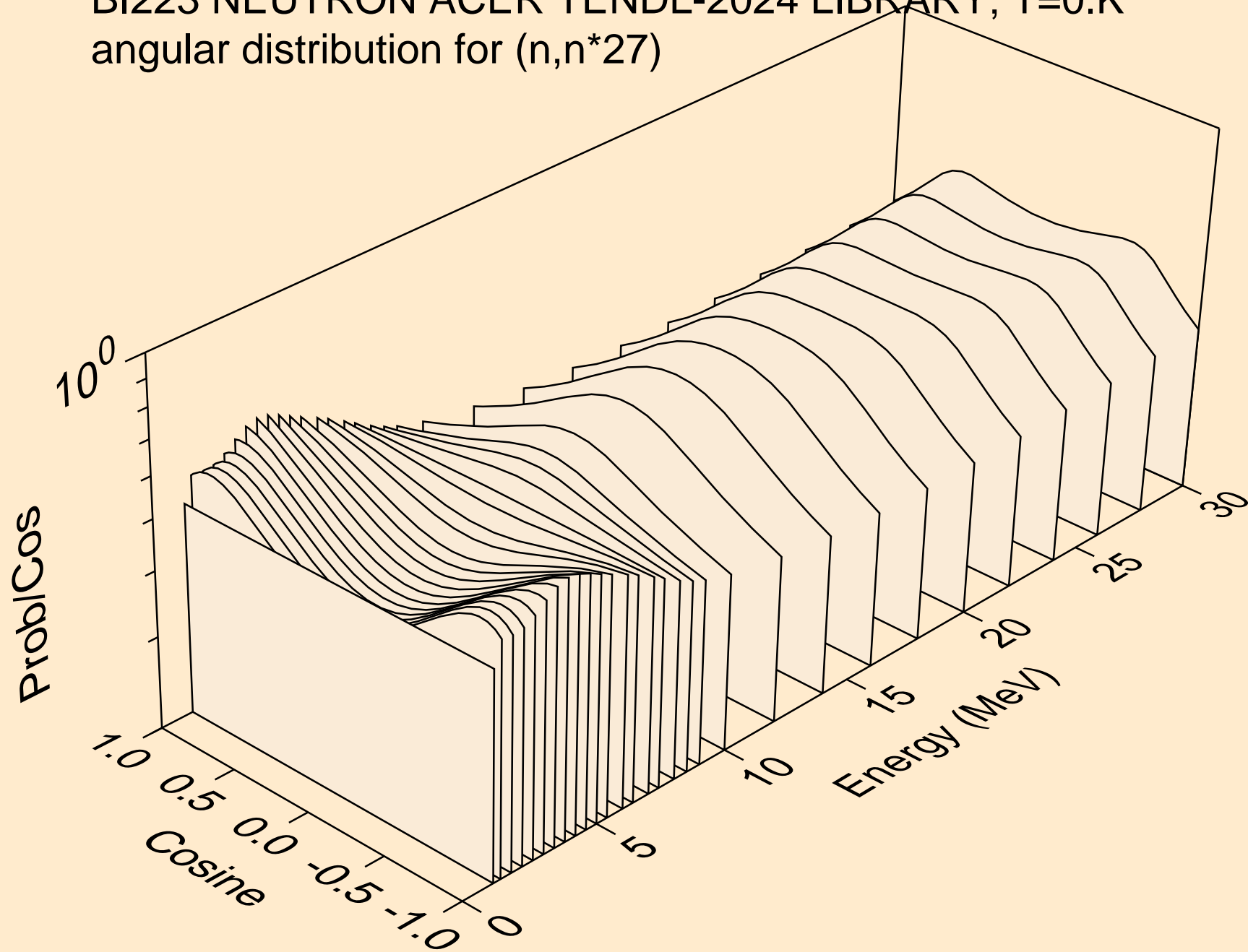
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



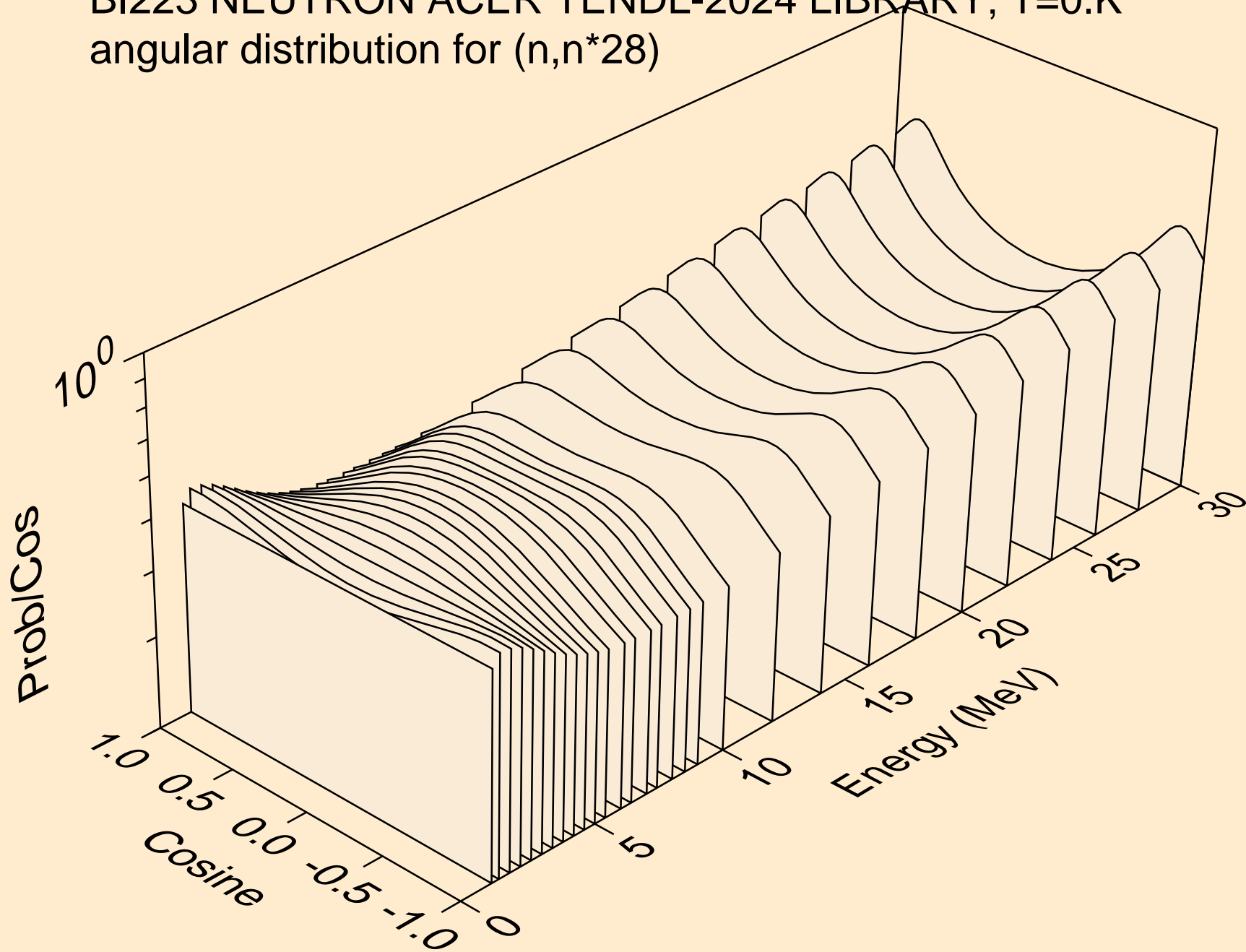
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



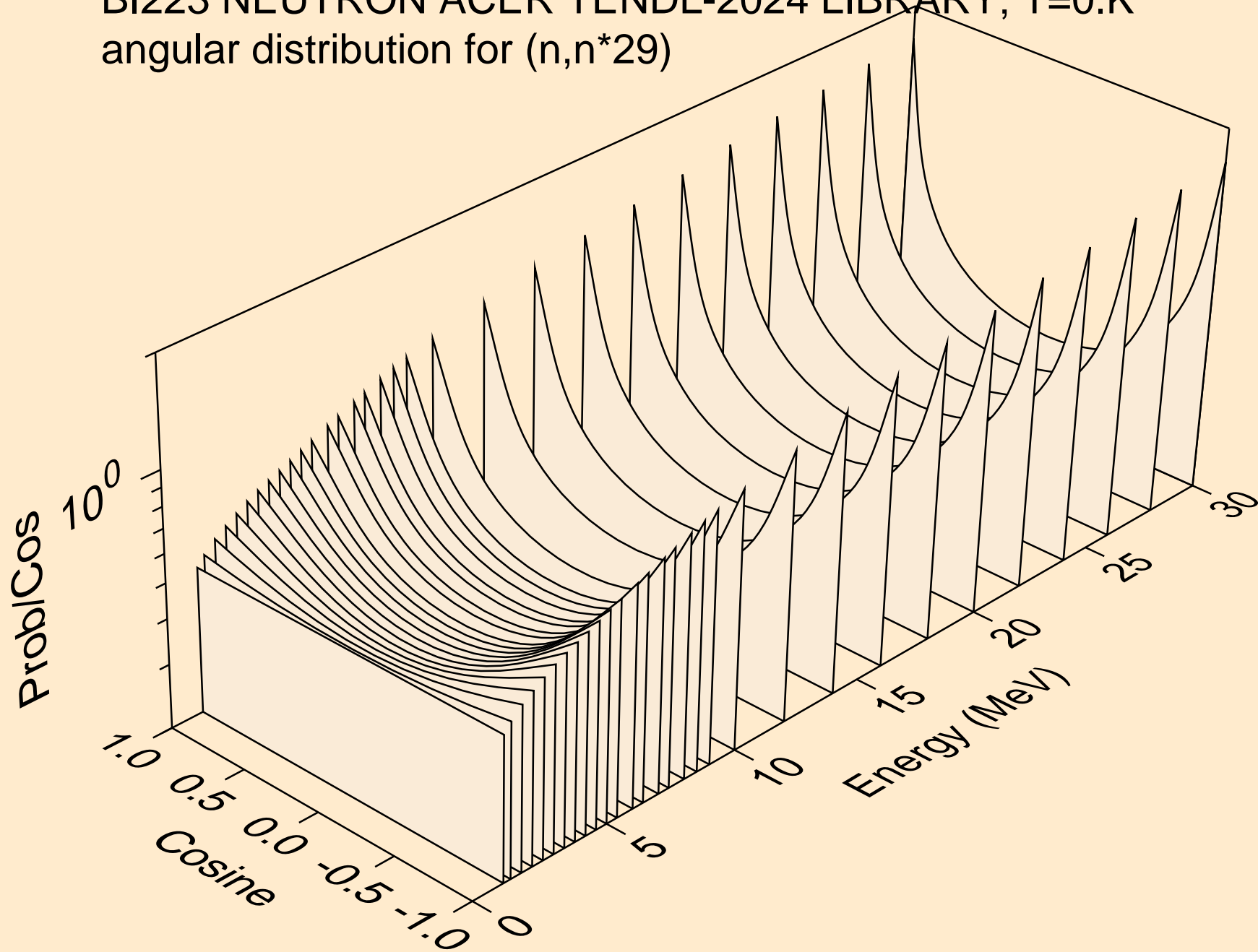
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

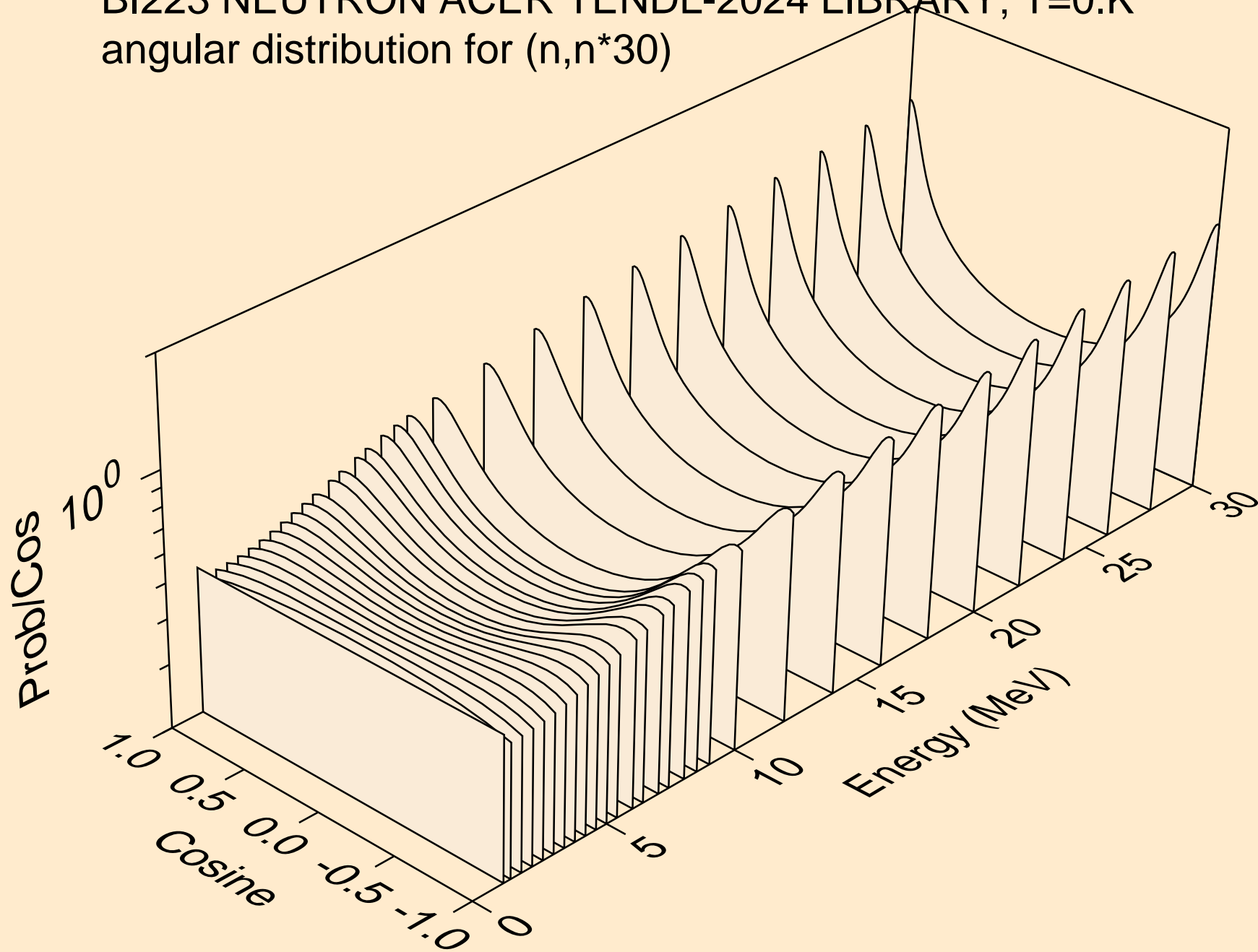


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



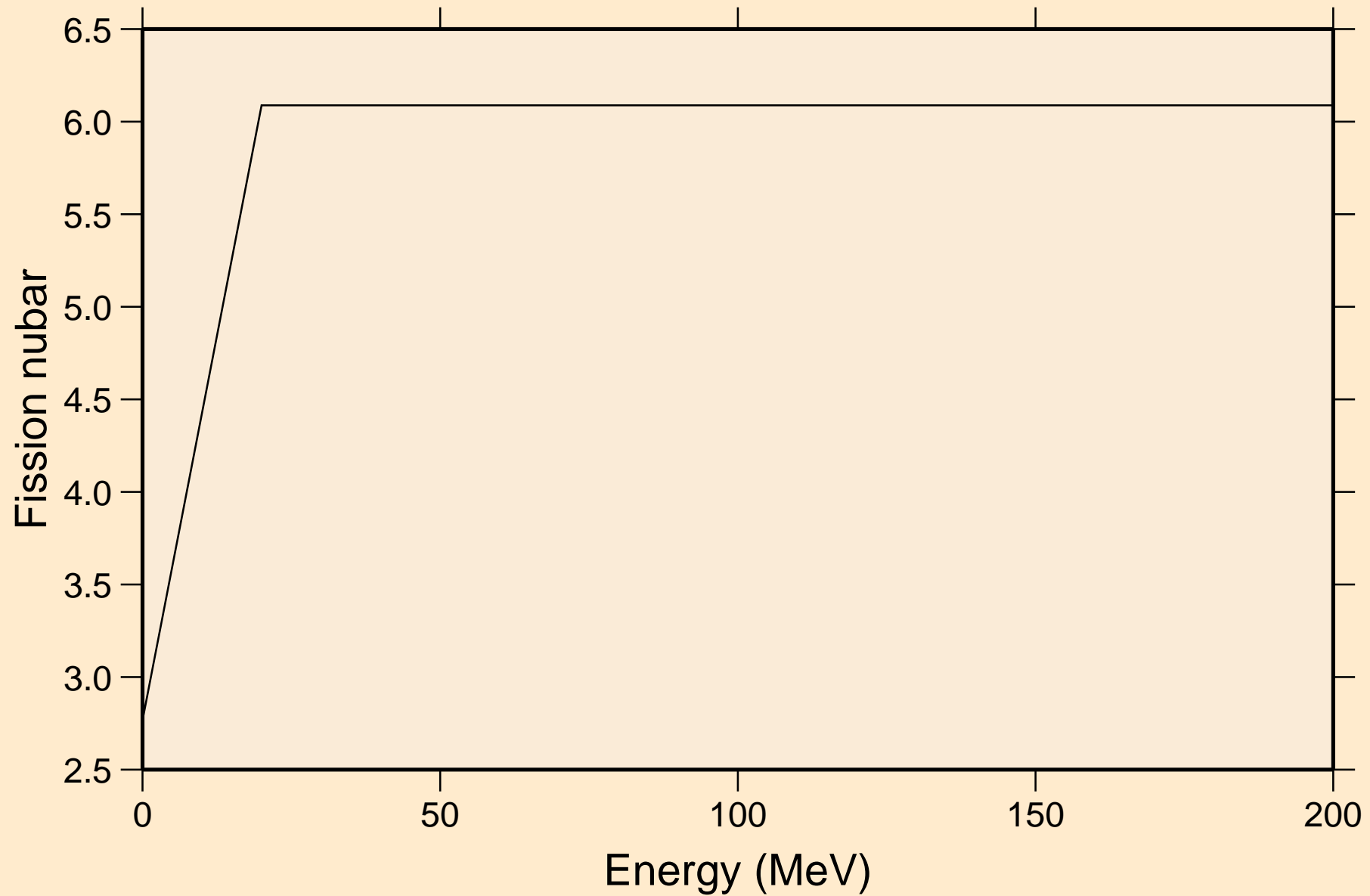


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)

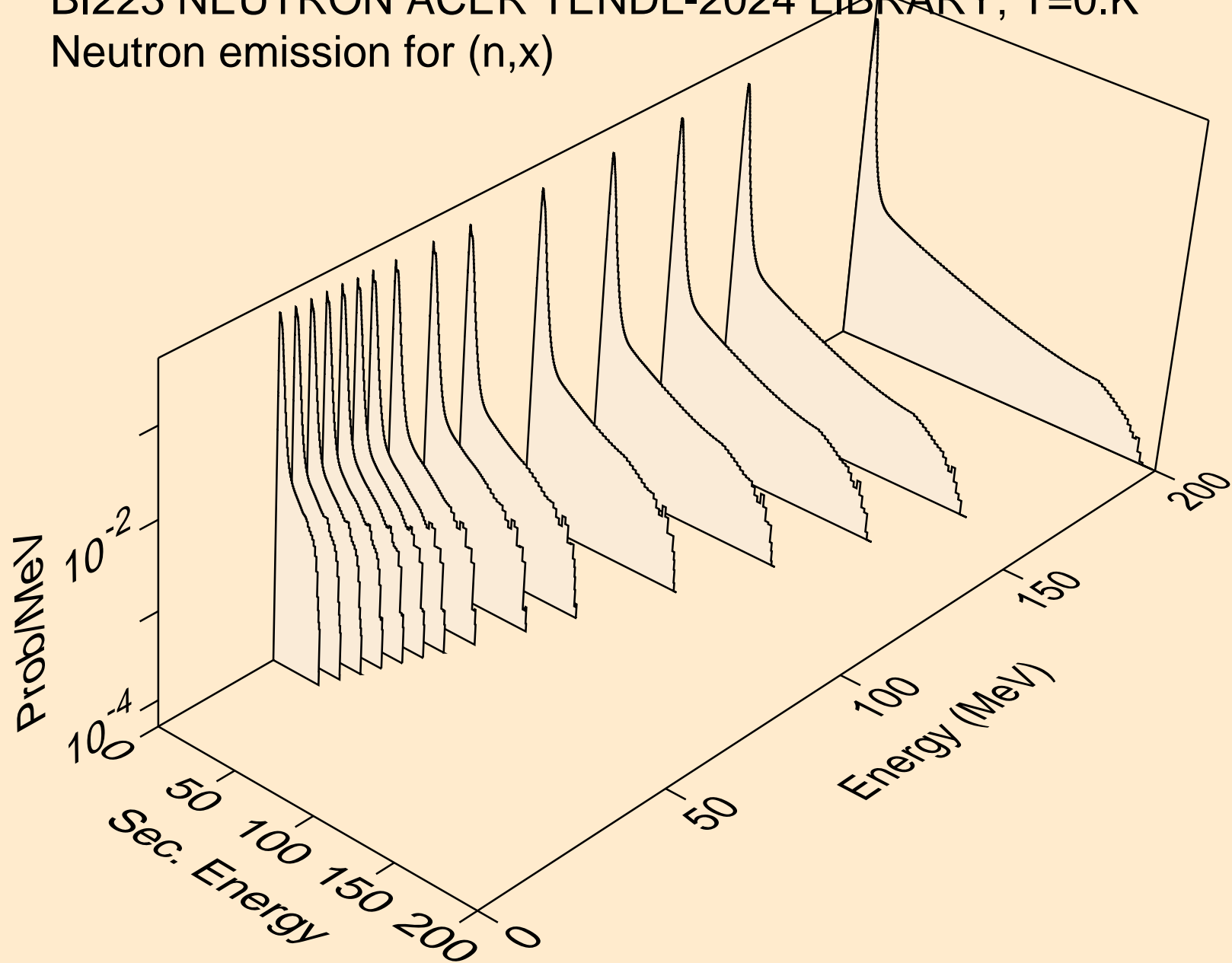


# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

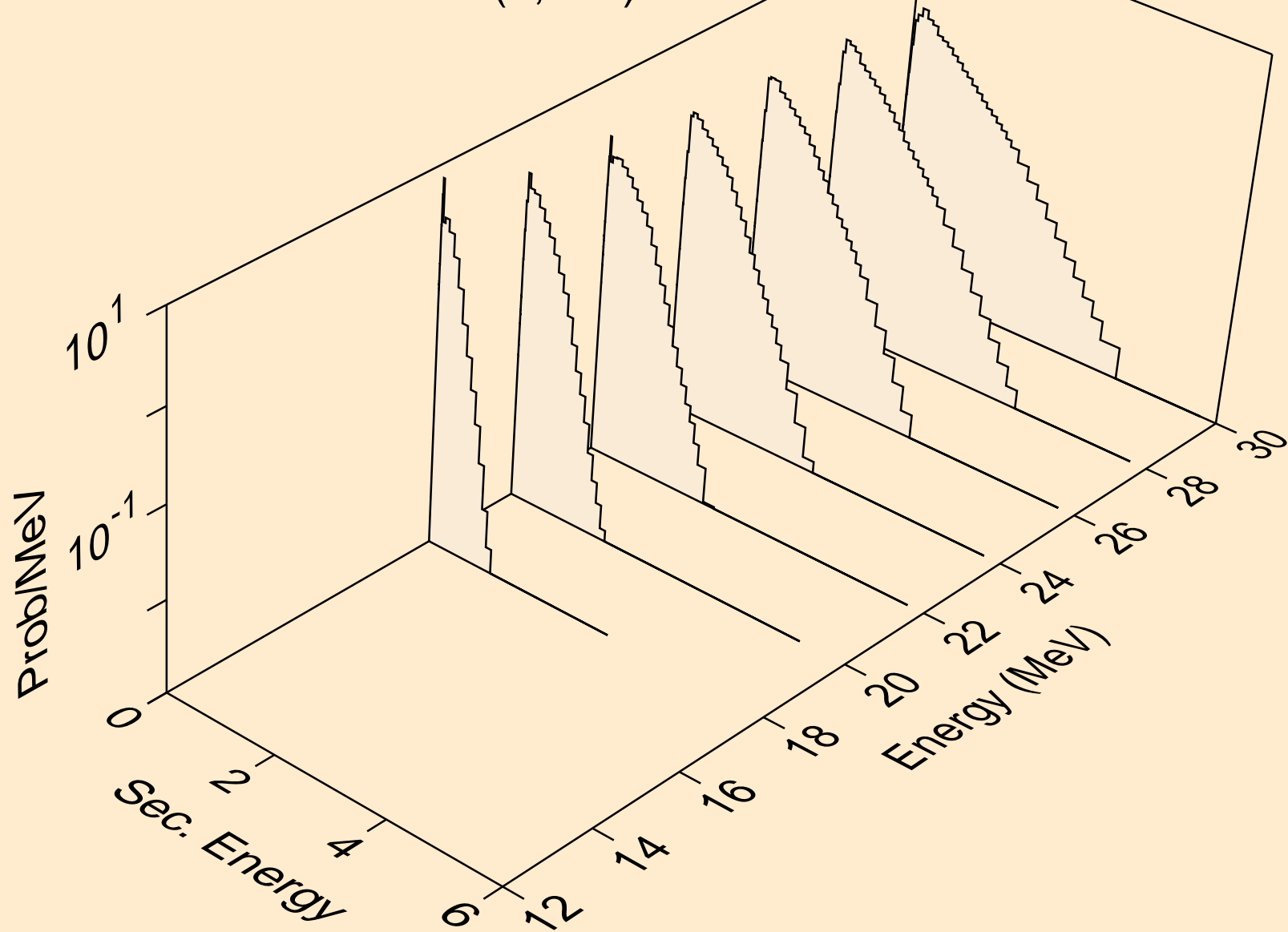
## Total fission nubar



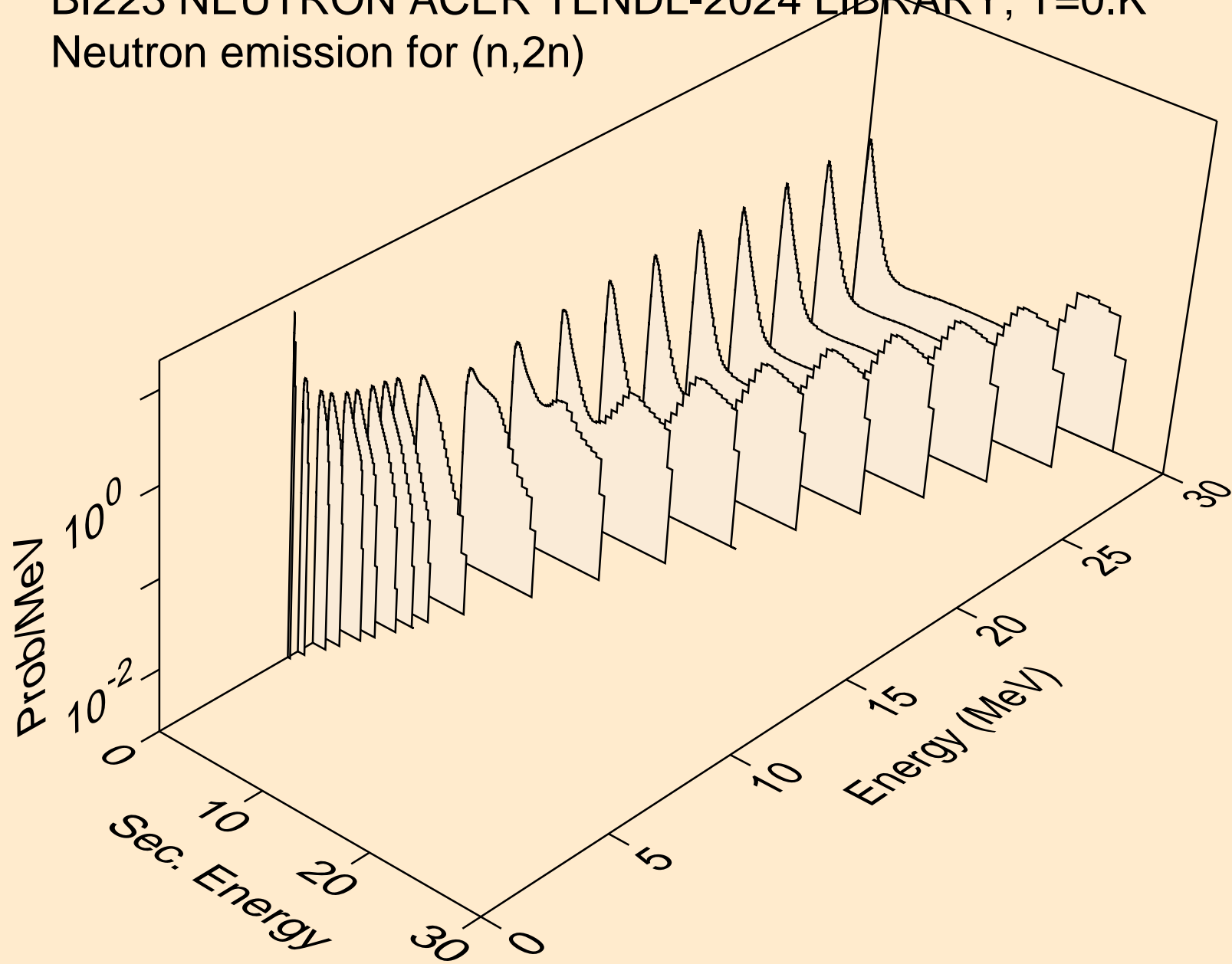
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



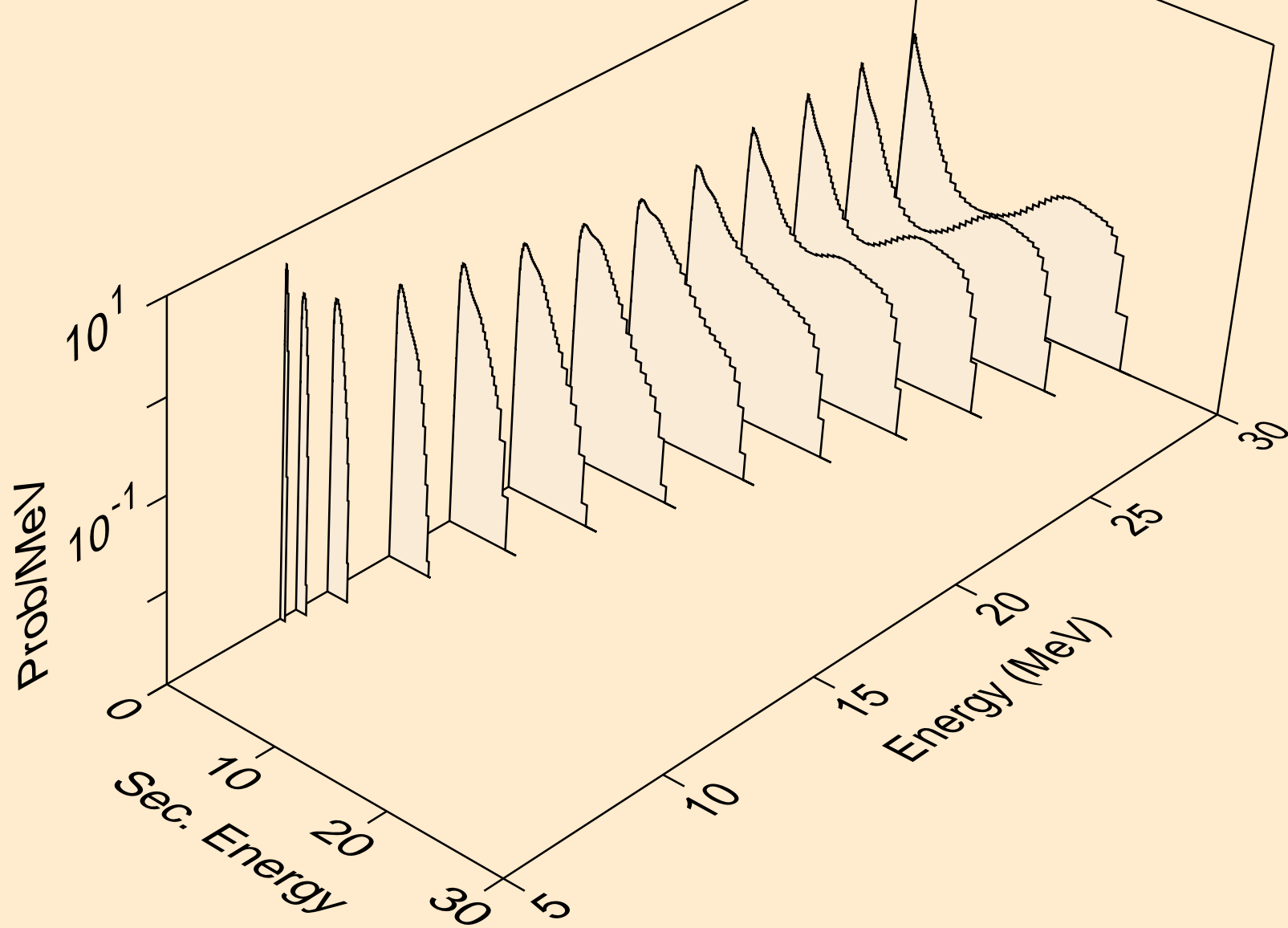
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



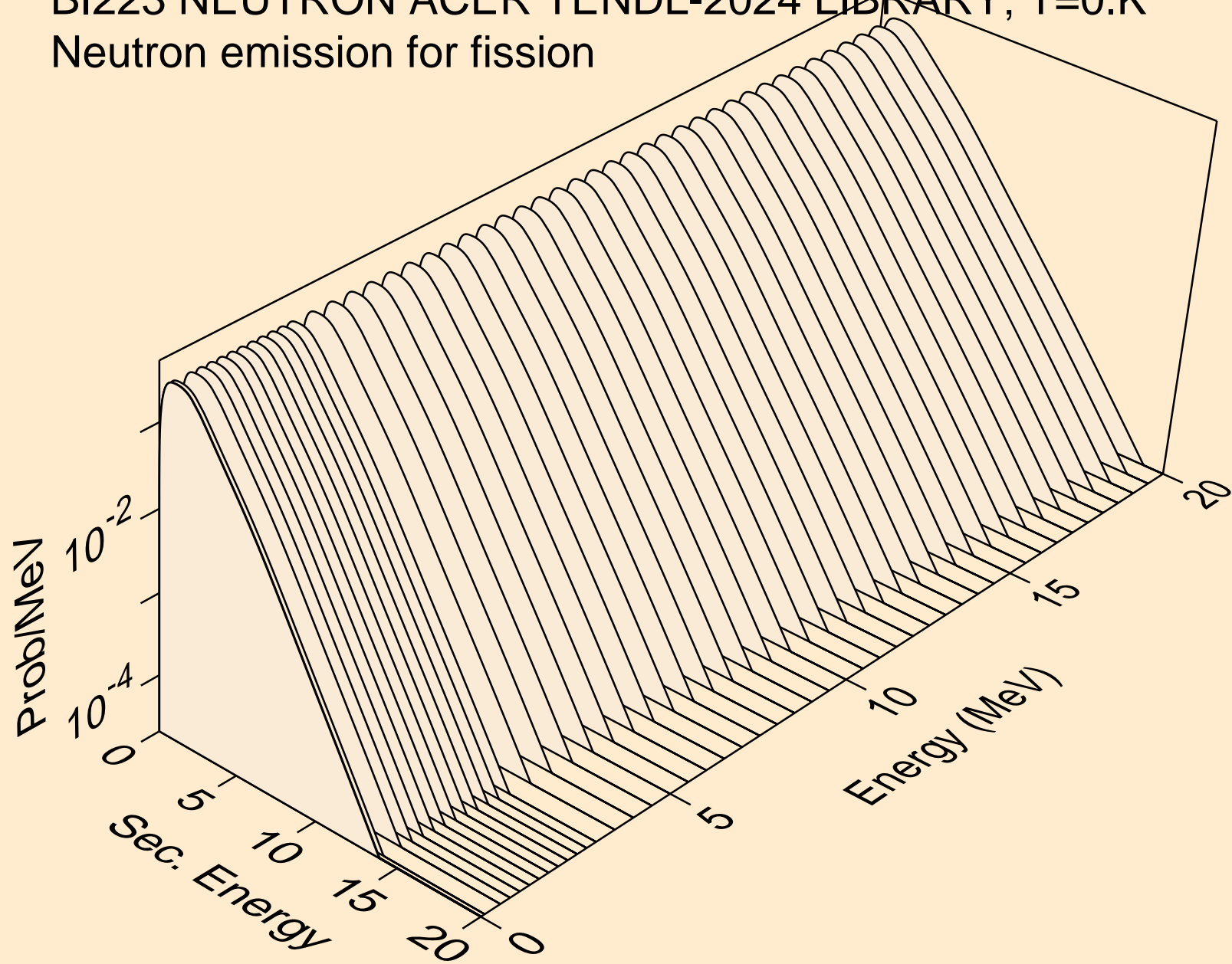
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



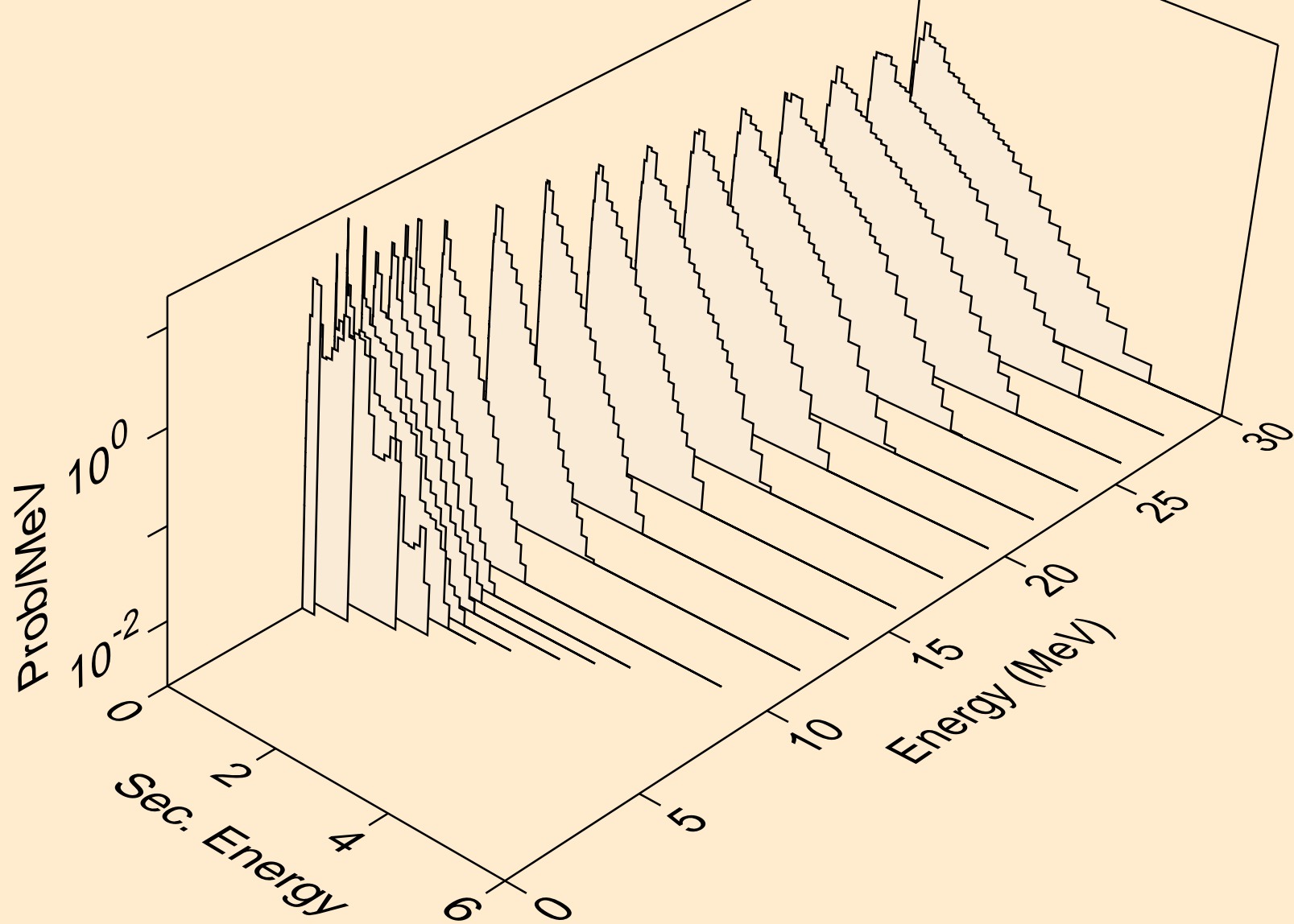
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for fission

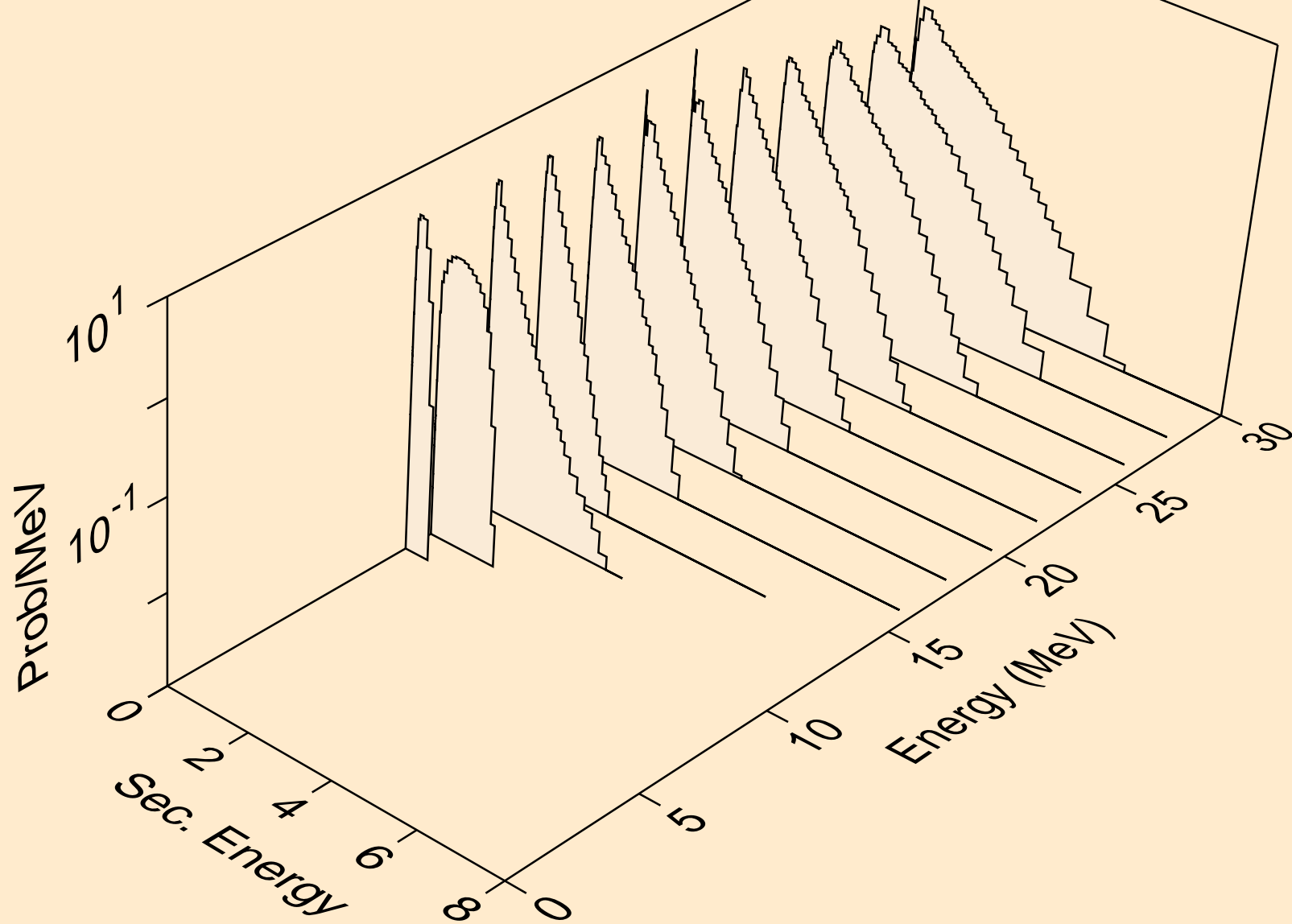


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

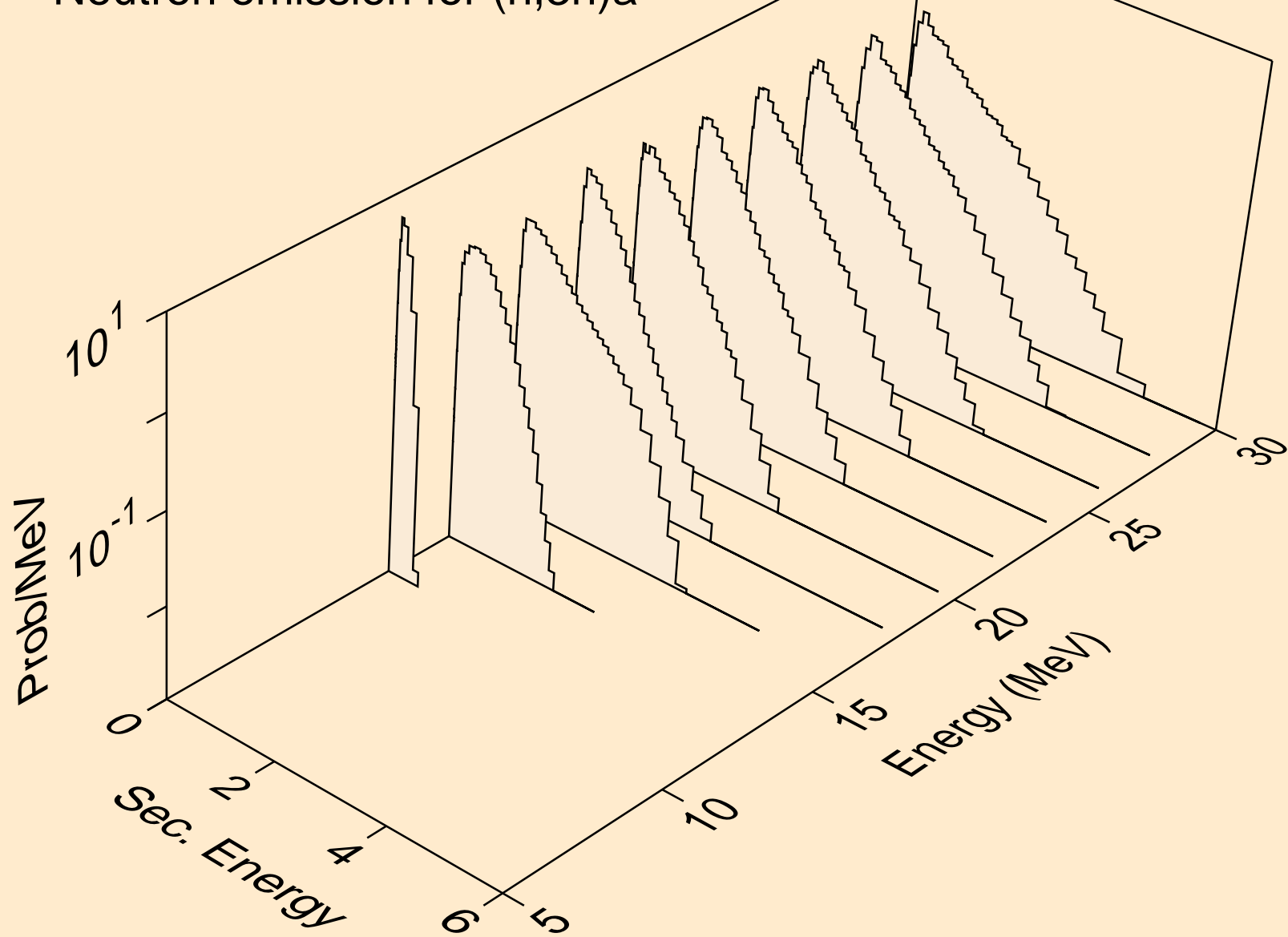




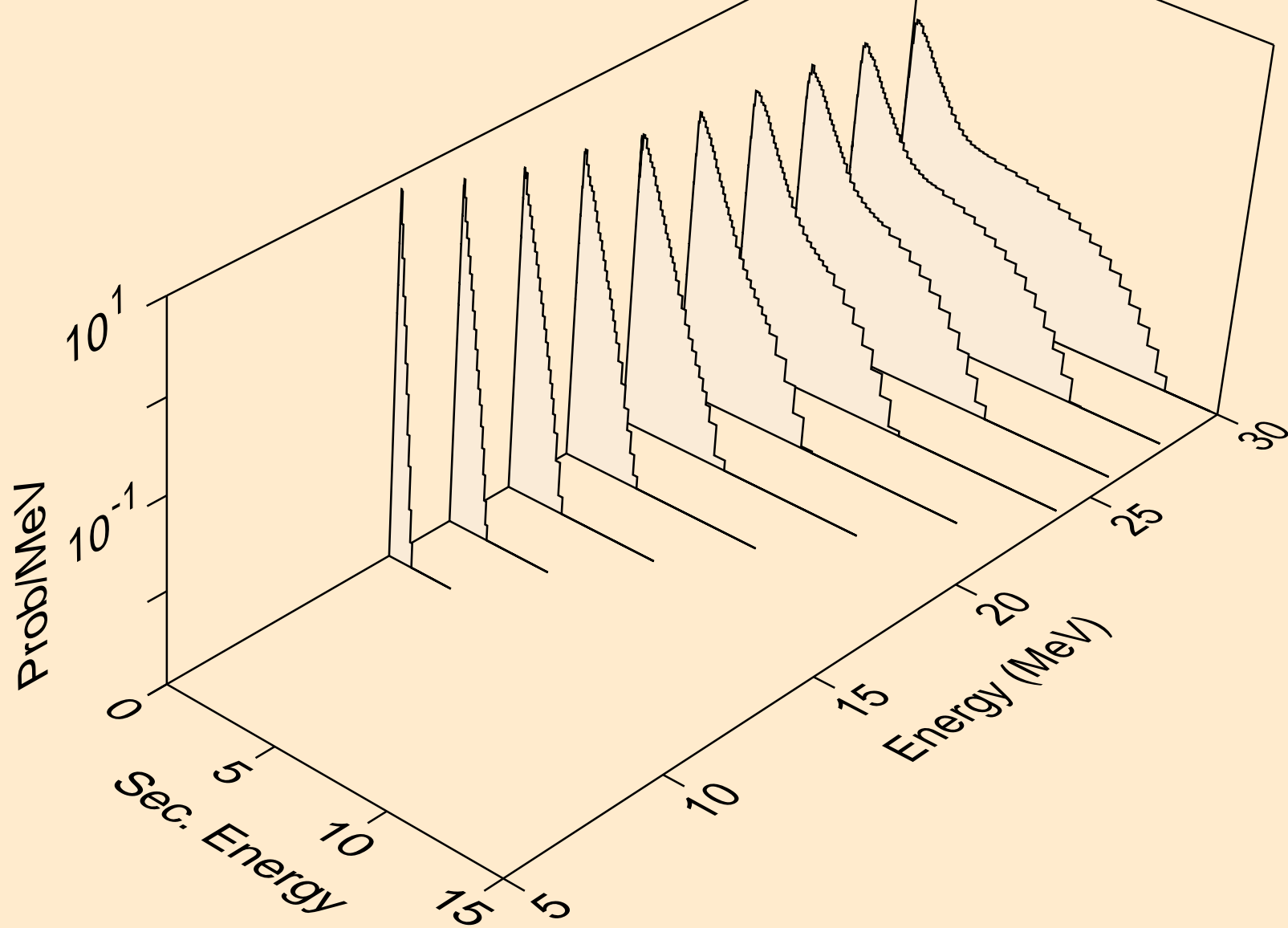
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



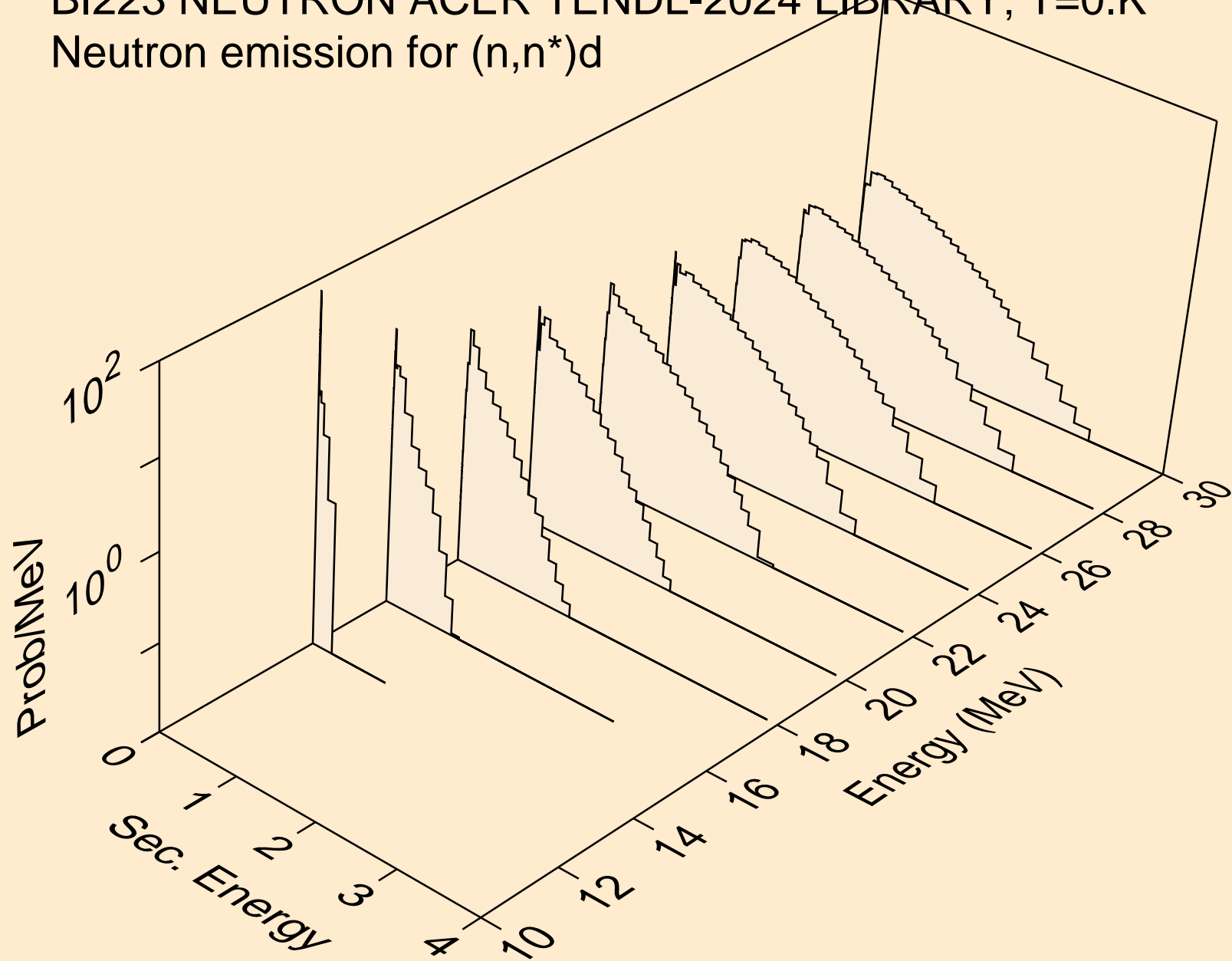
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



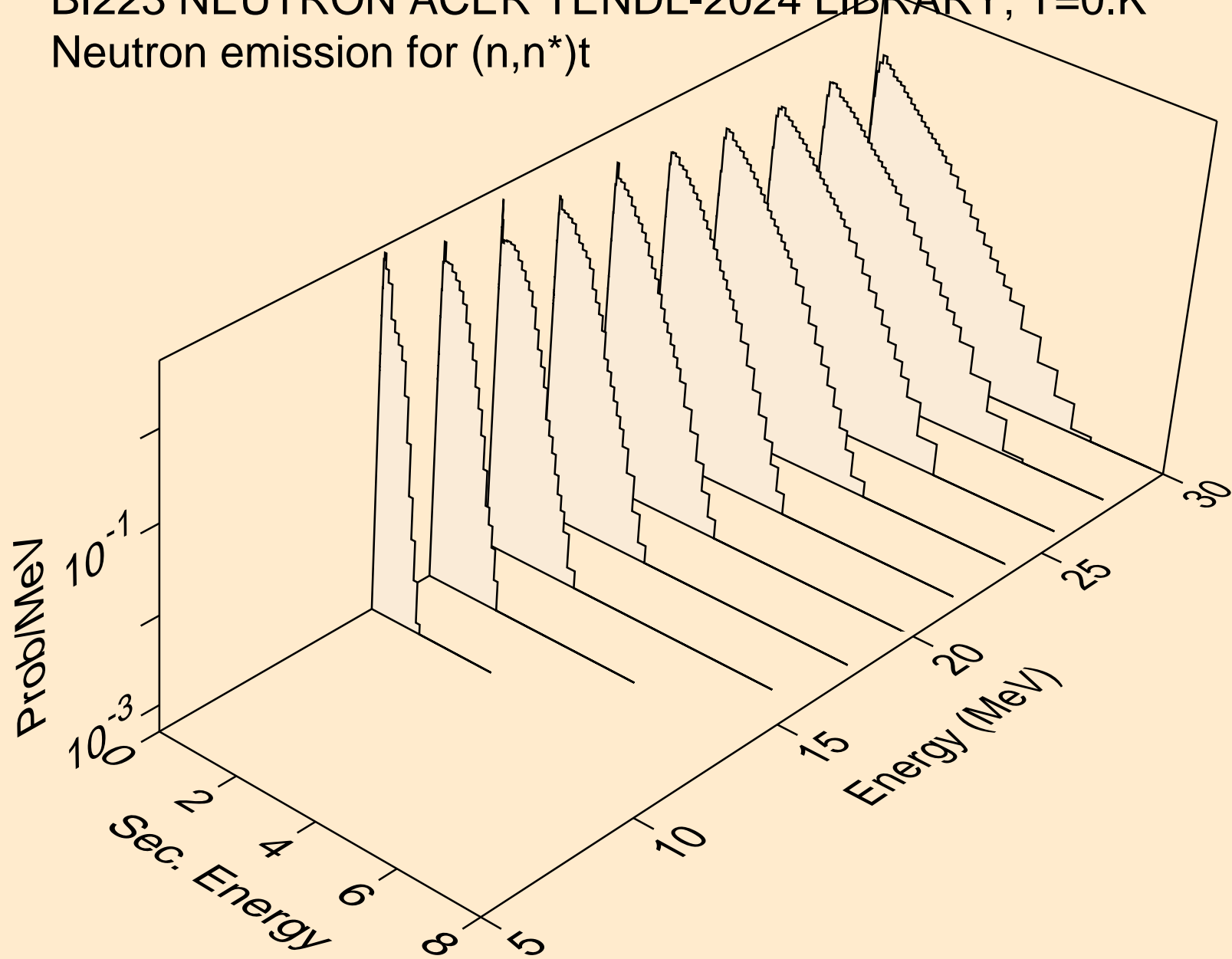
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



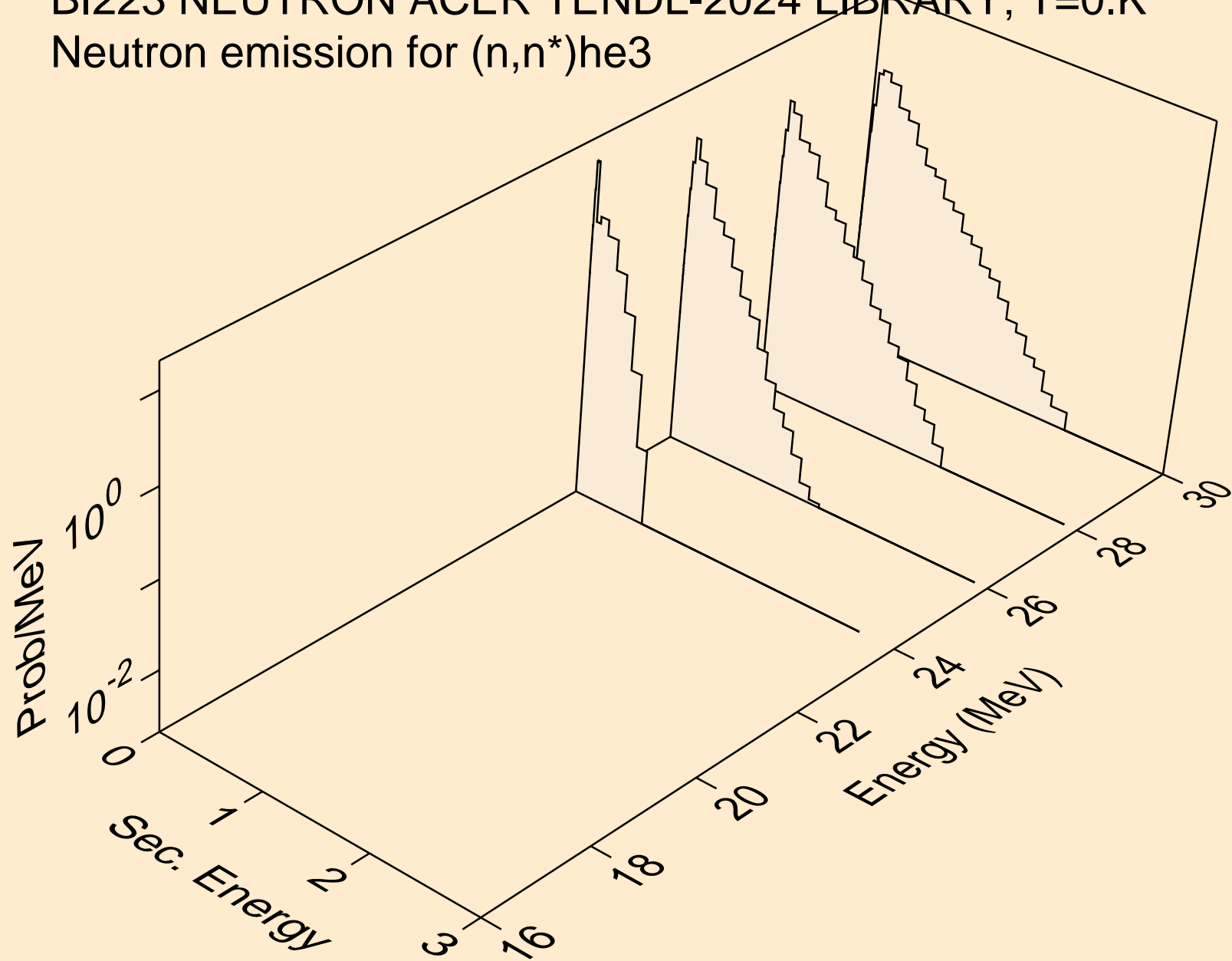
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



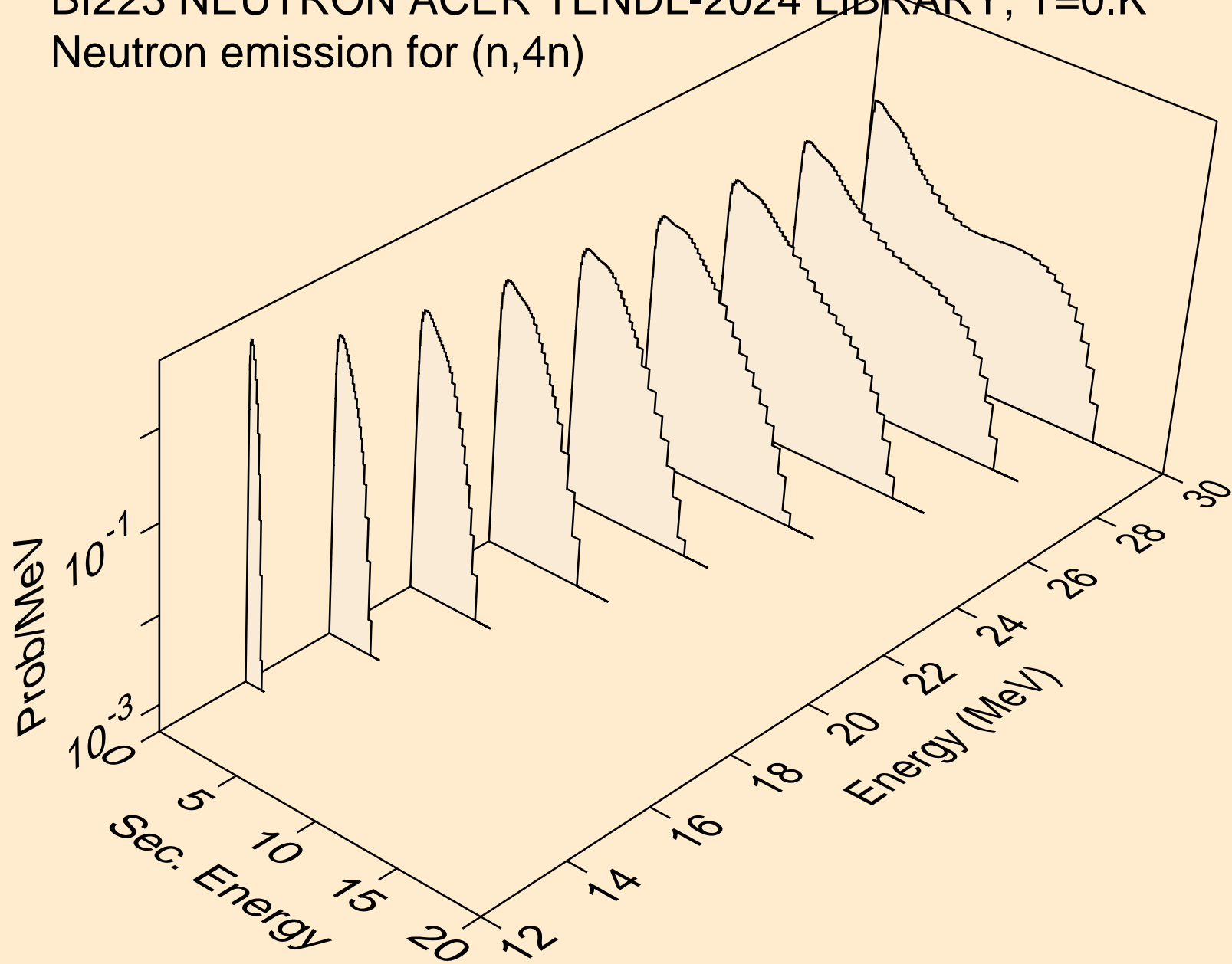
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



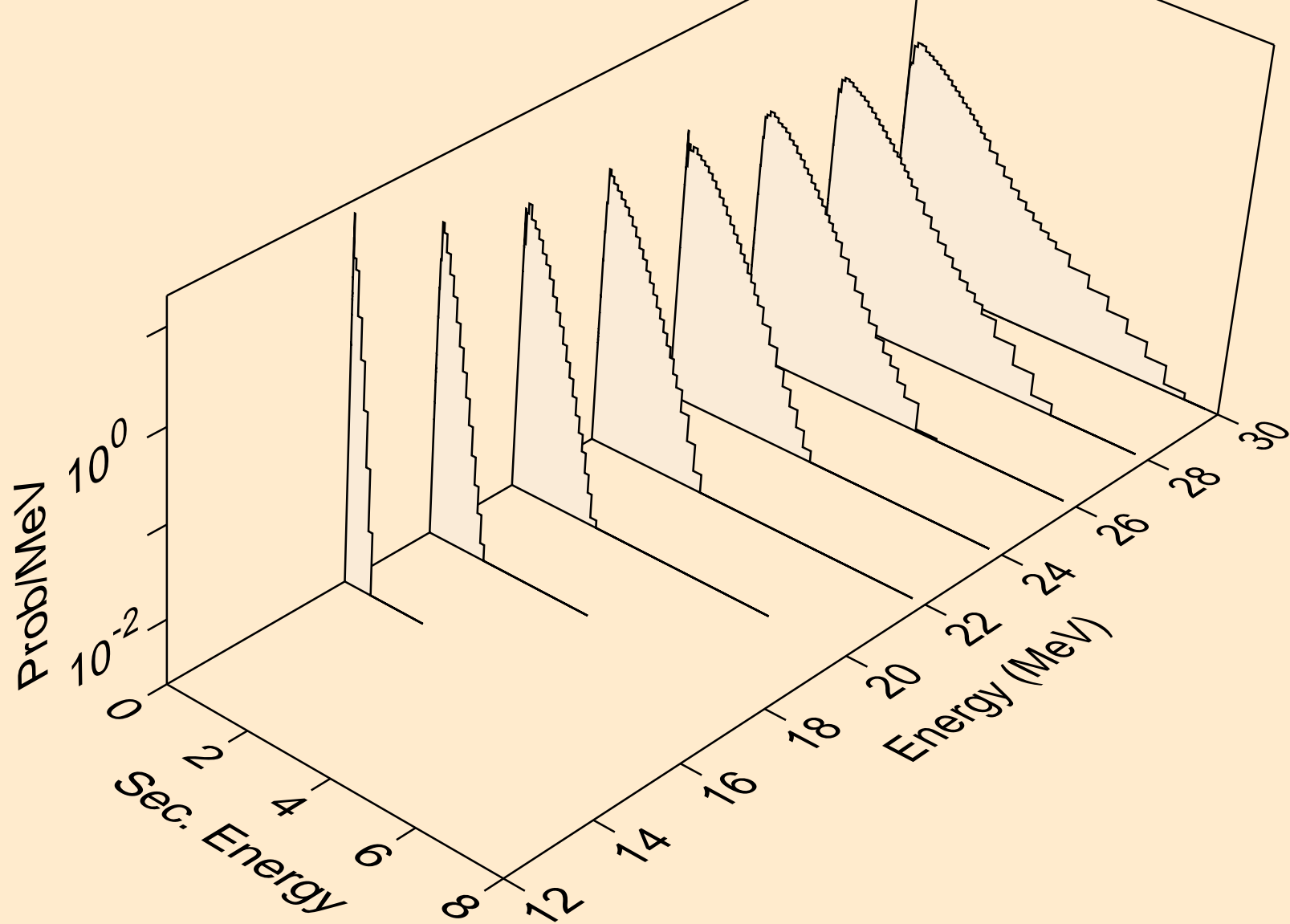
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)

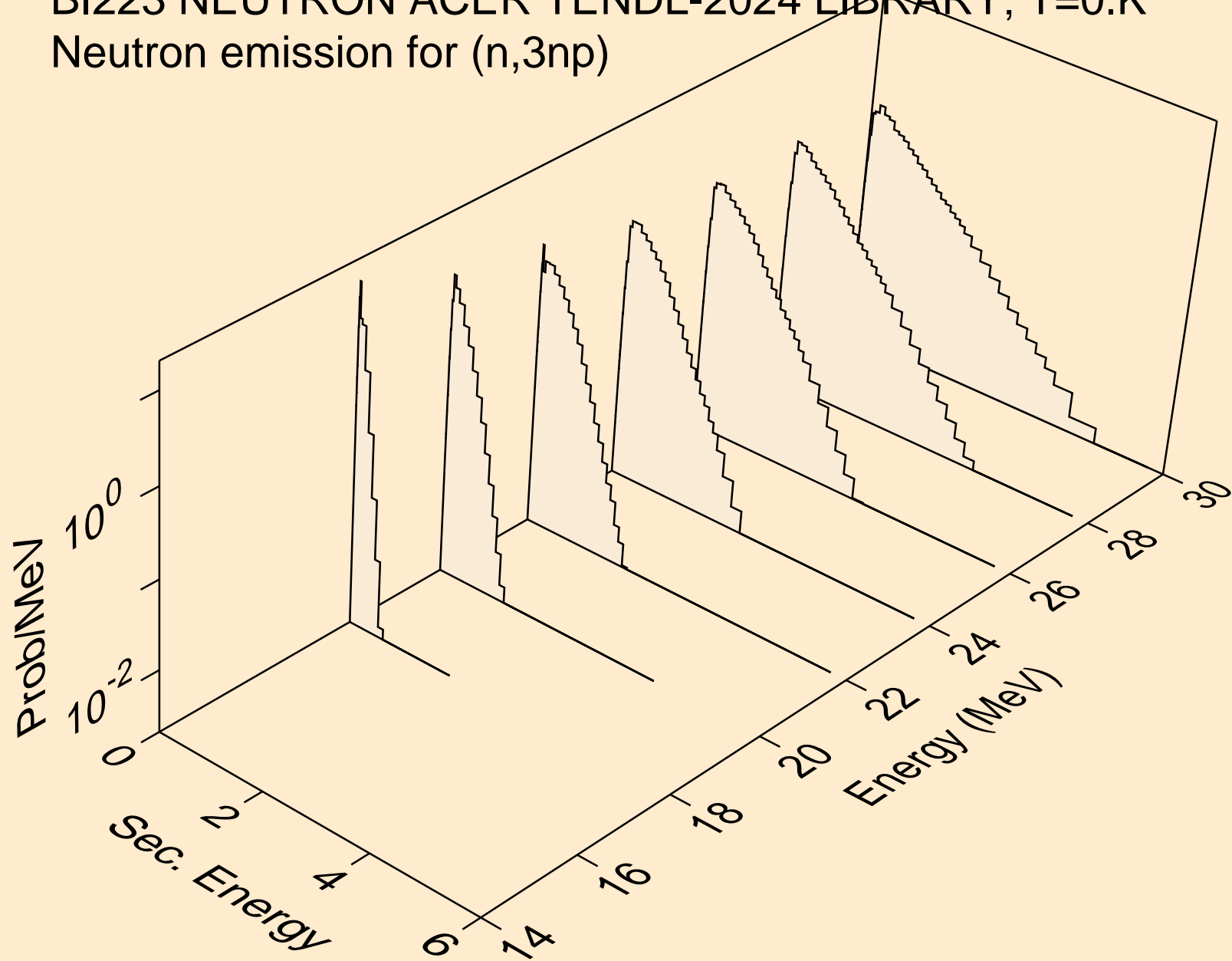


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)

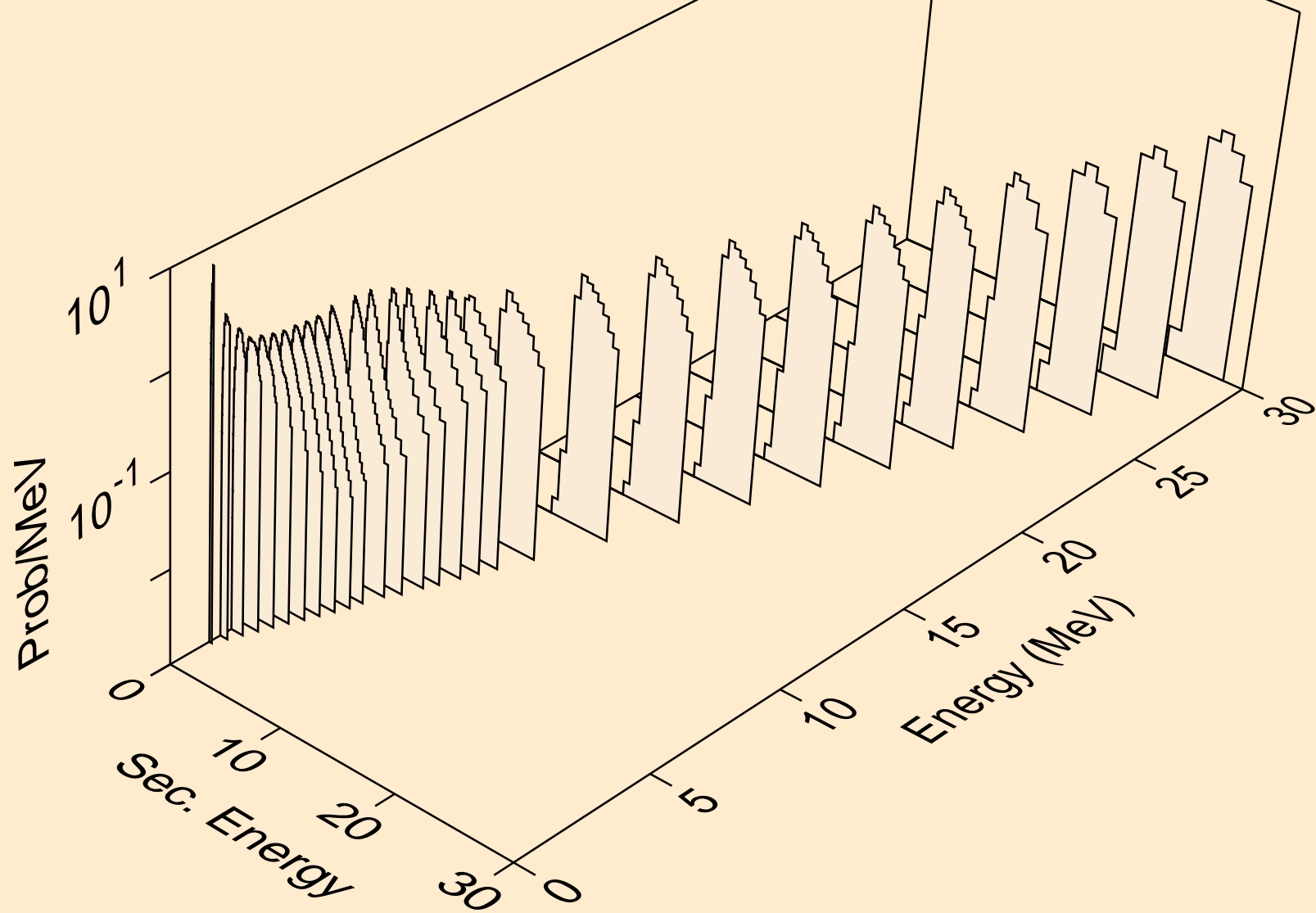




BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)

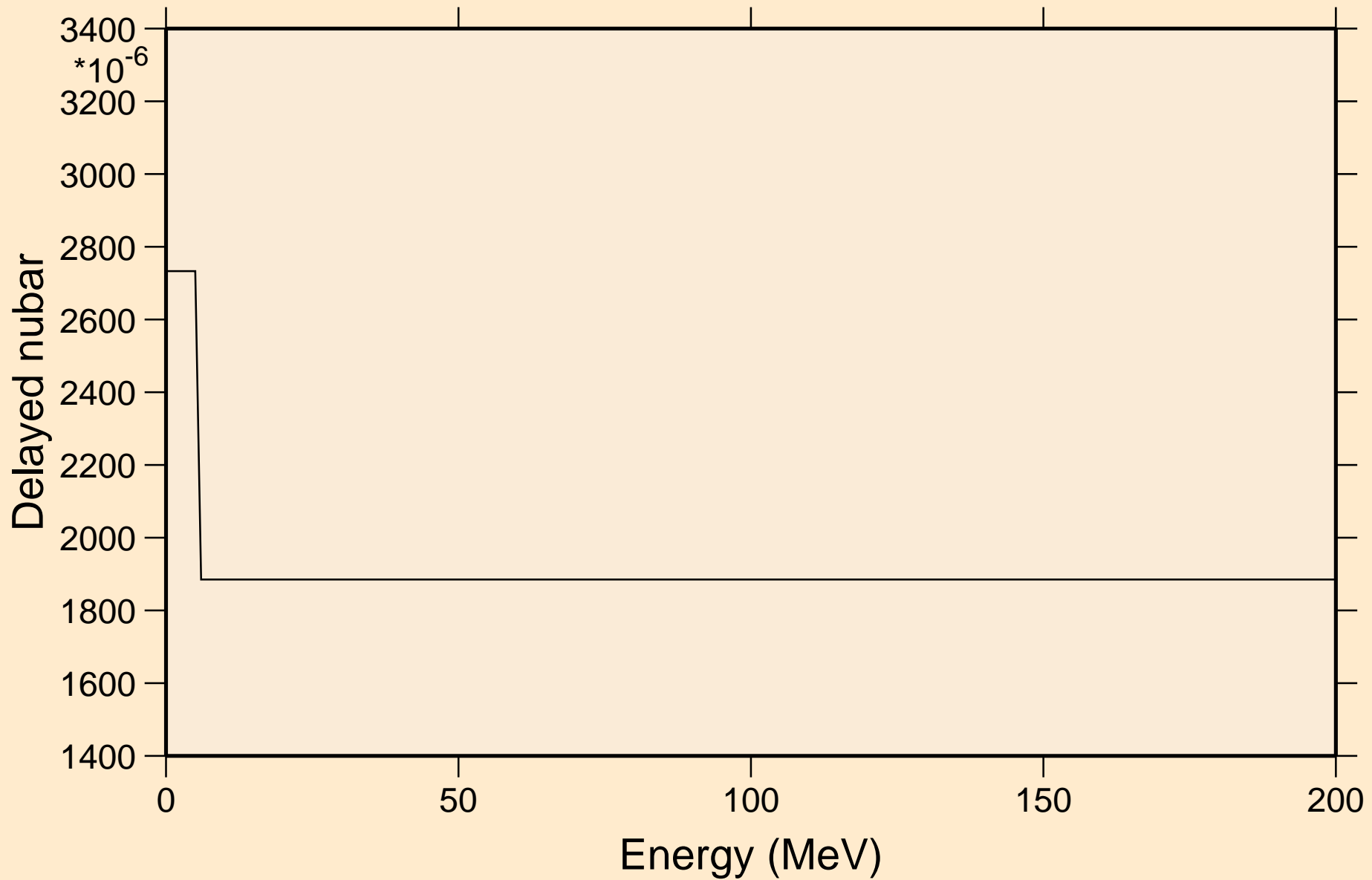


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



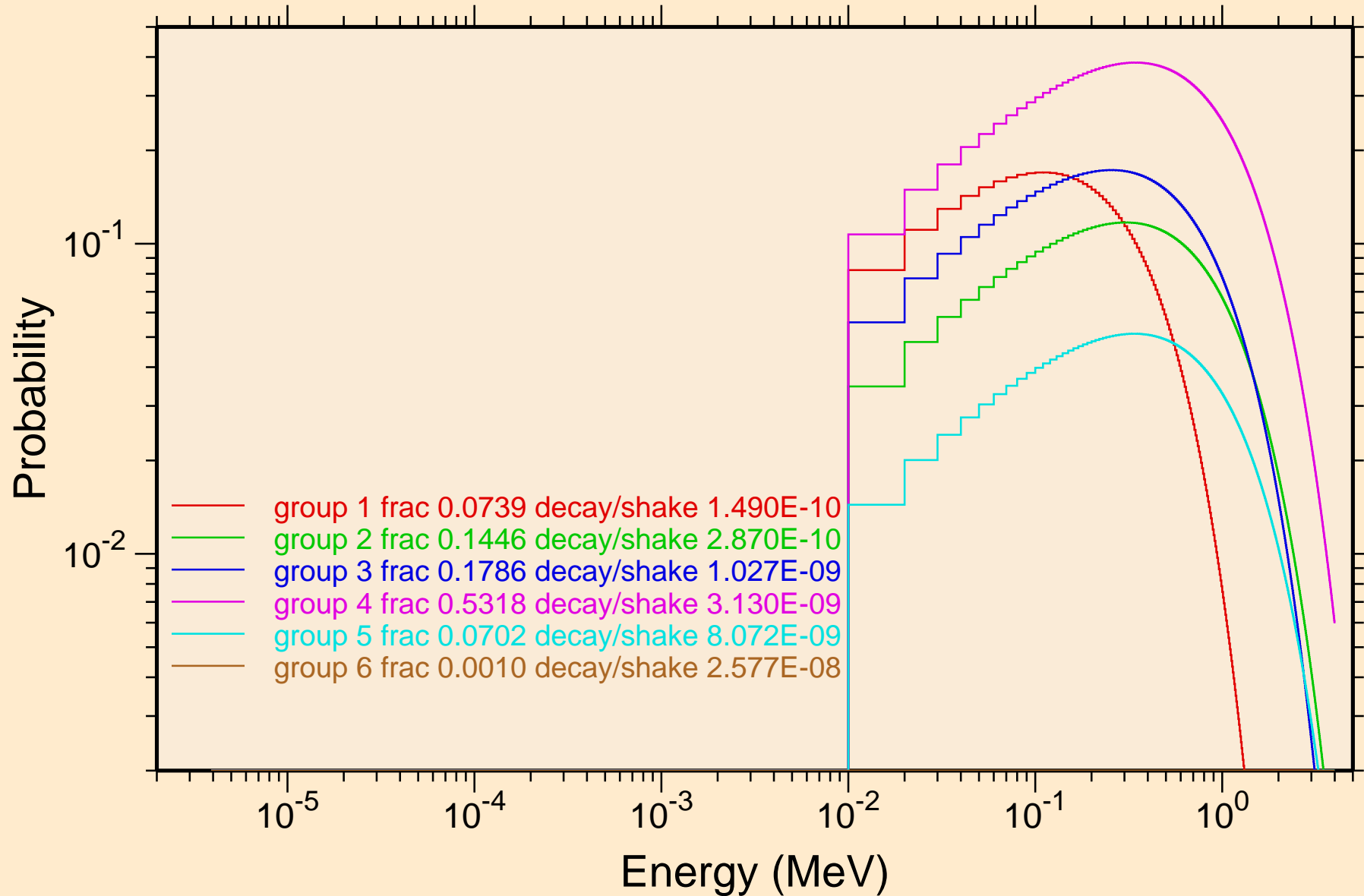
# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Delayed nubar

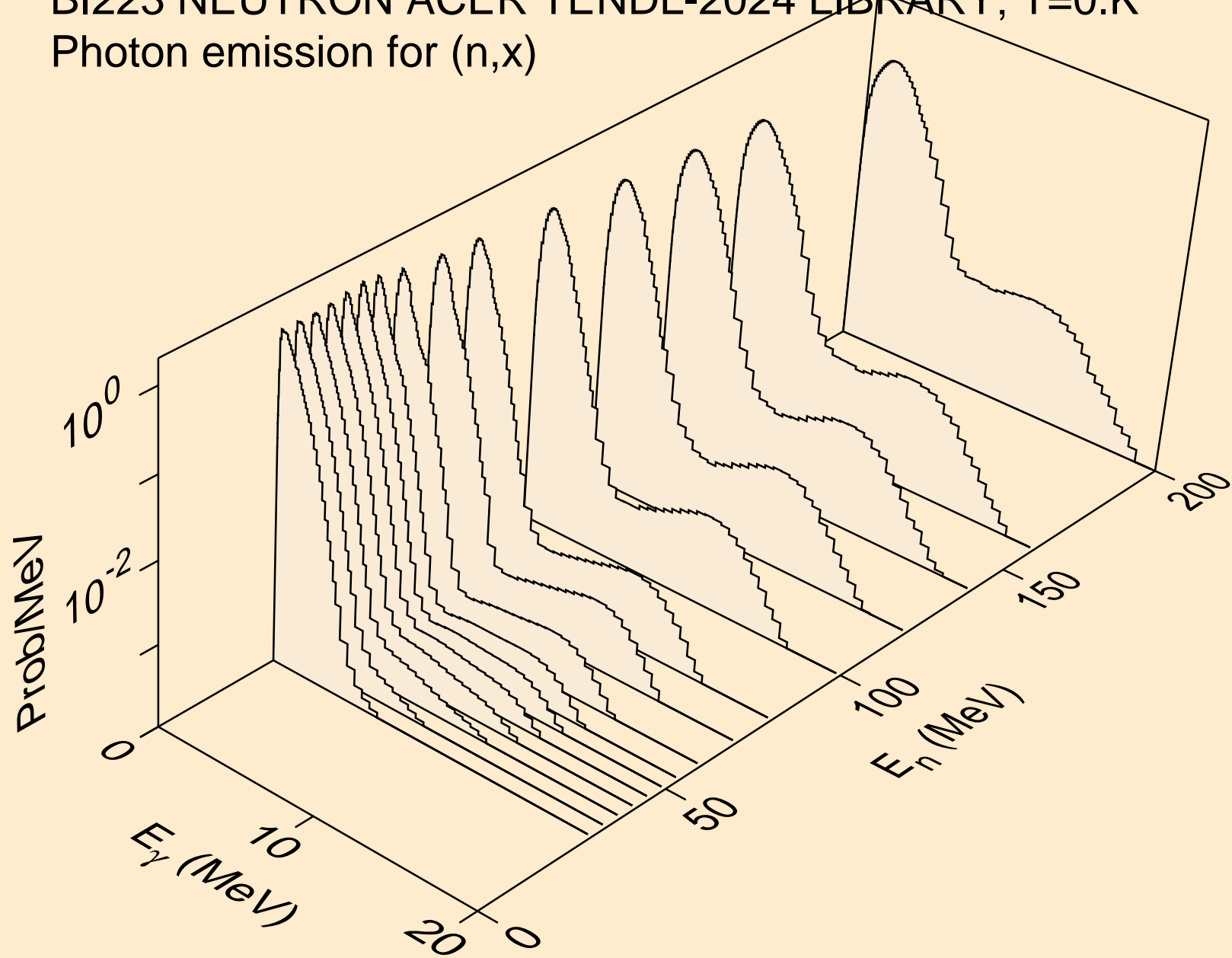


# BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

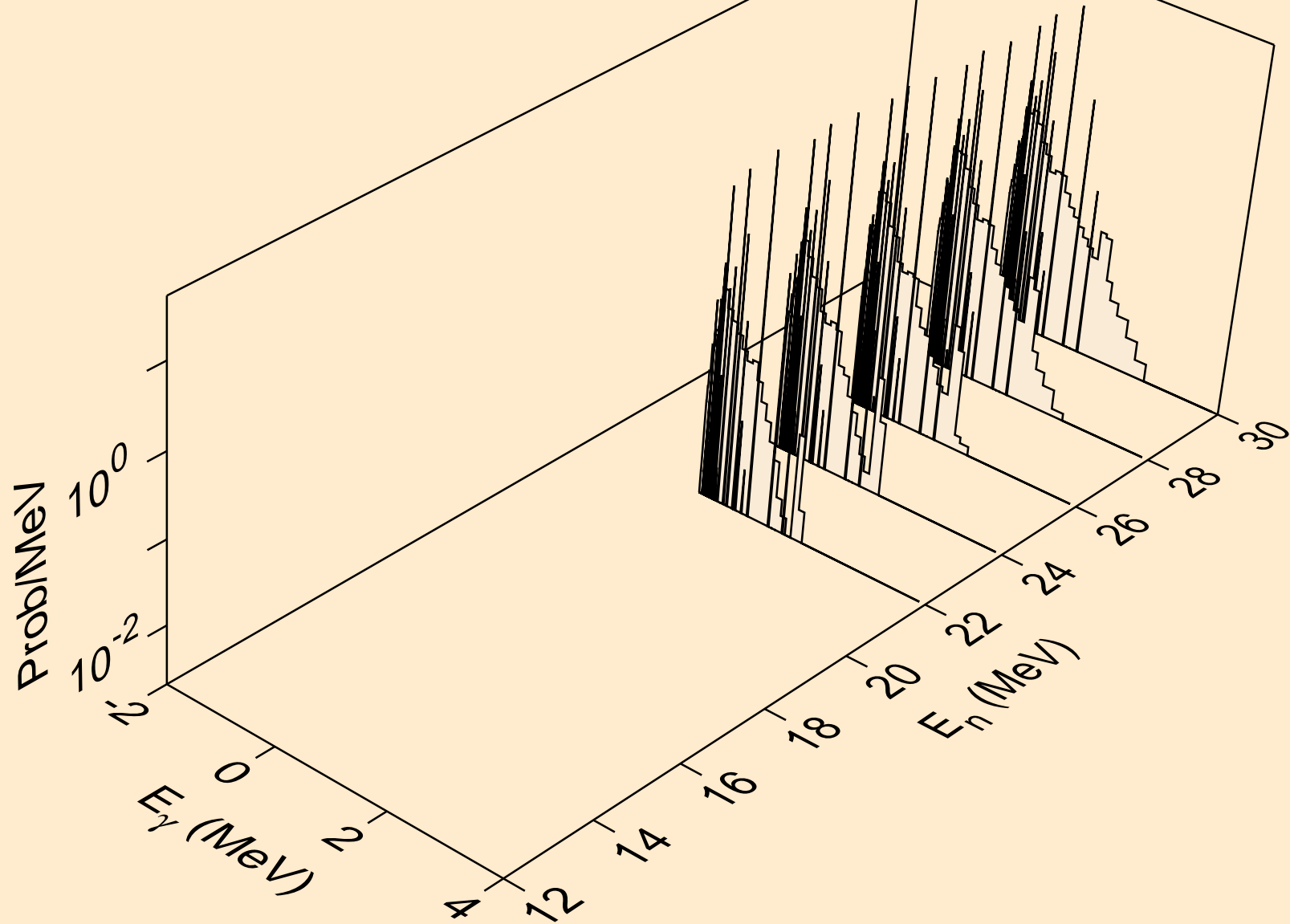
## Delayed neutron spectra



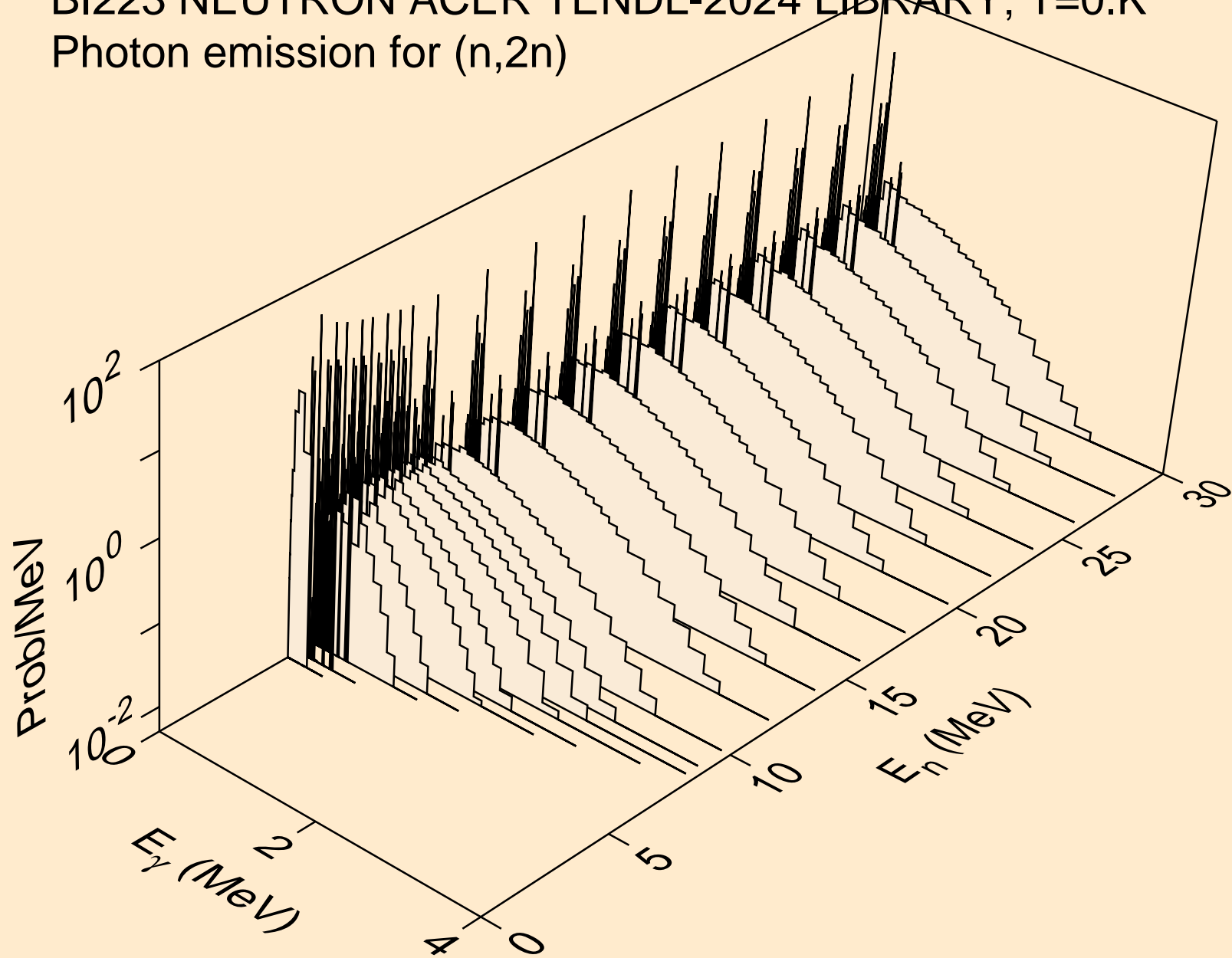
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



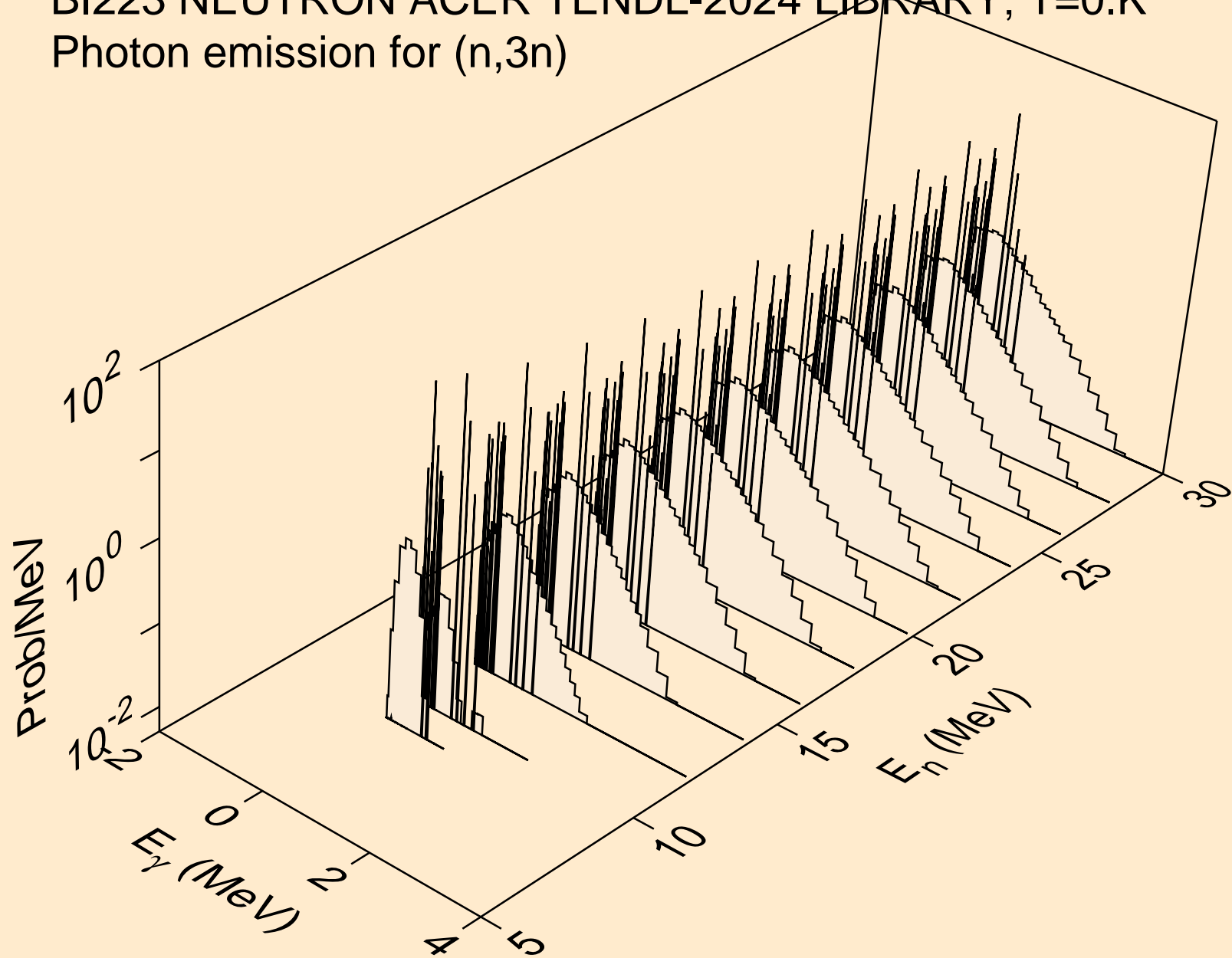
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

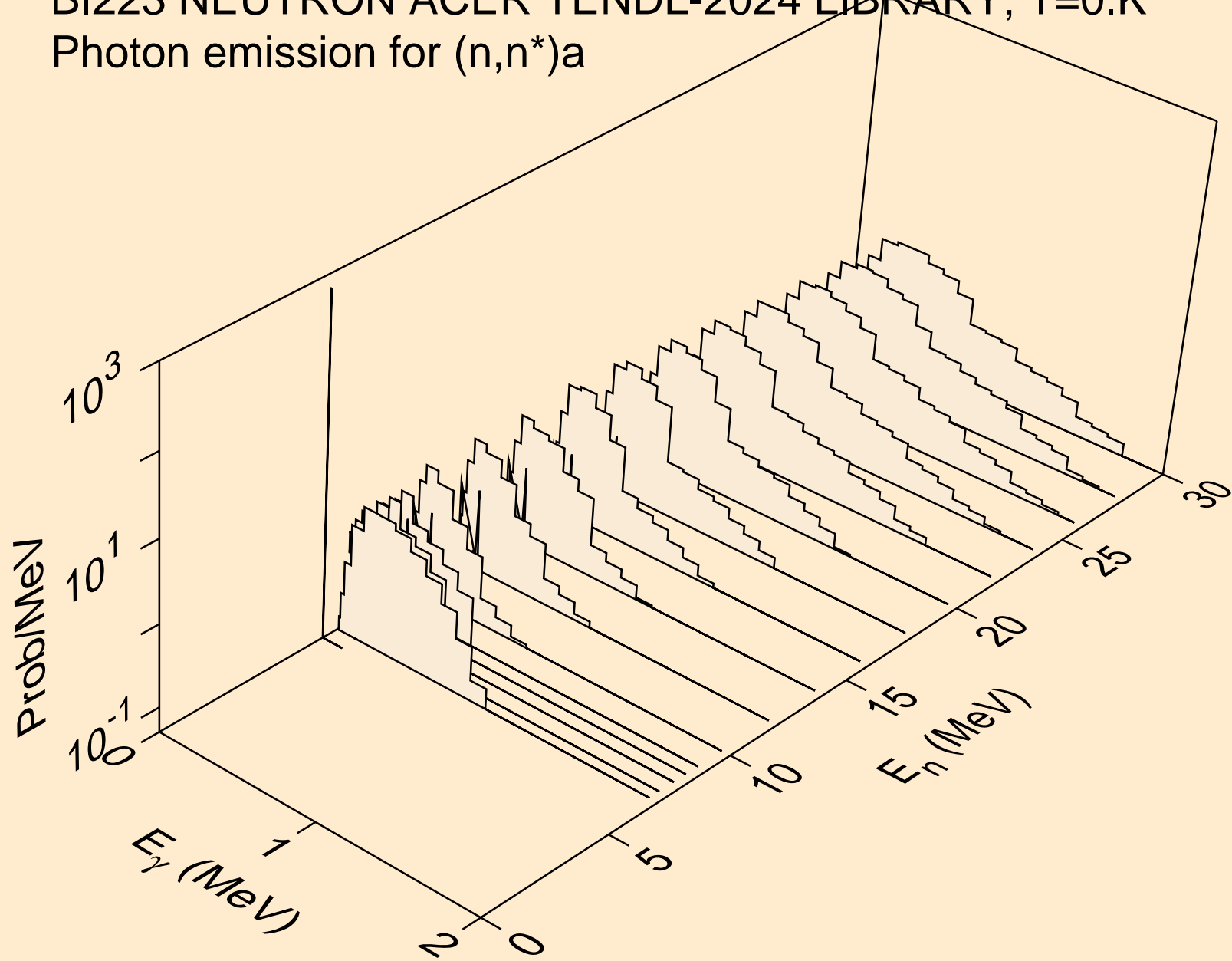


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)

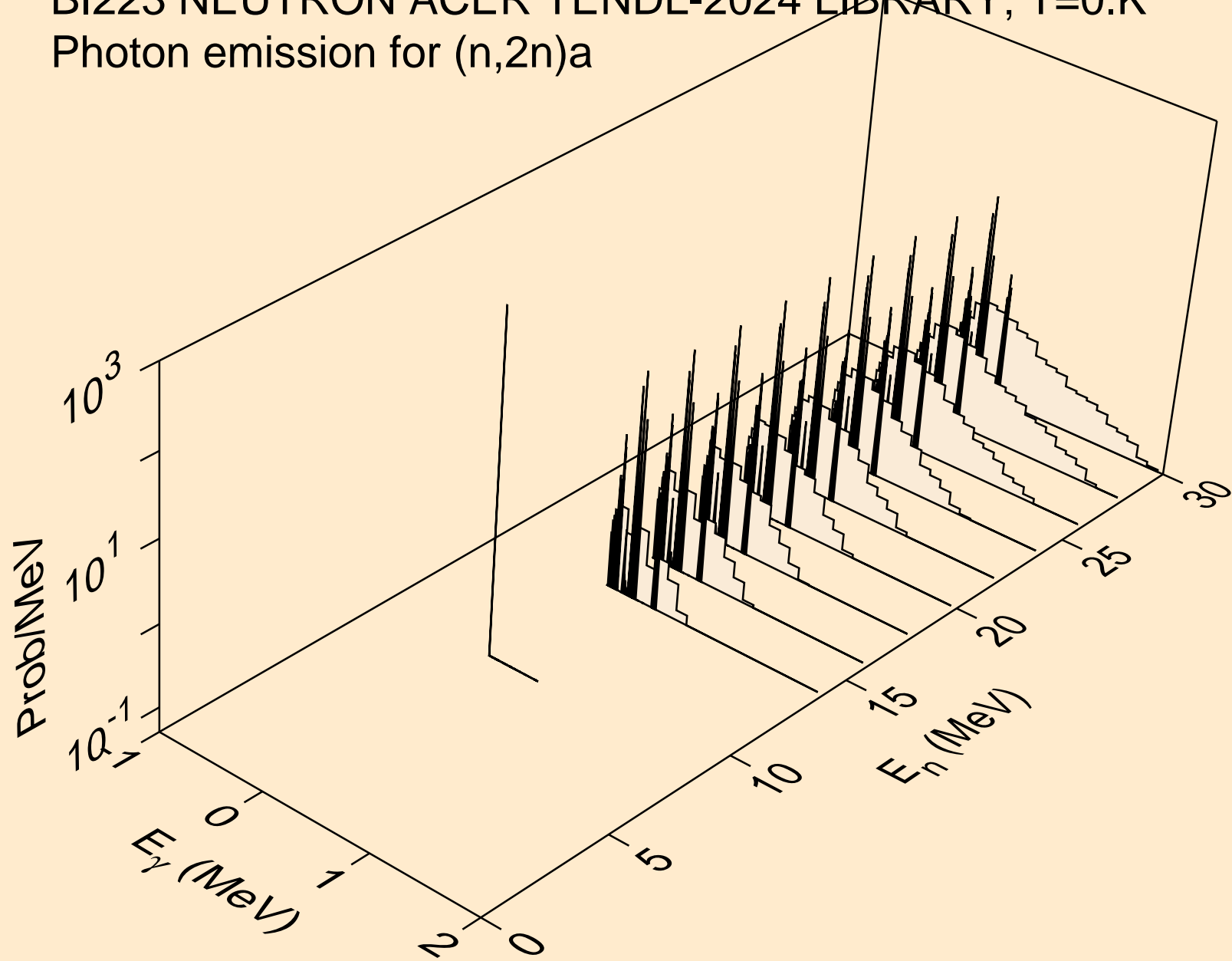




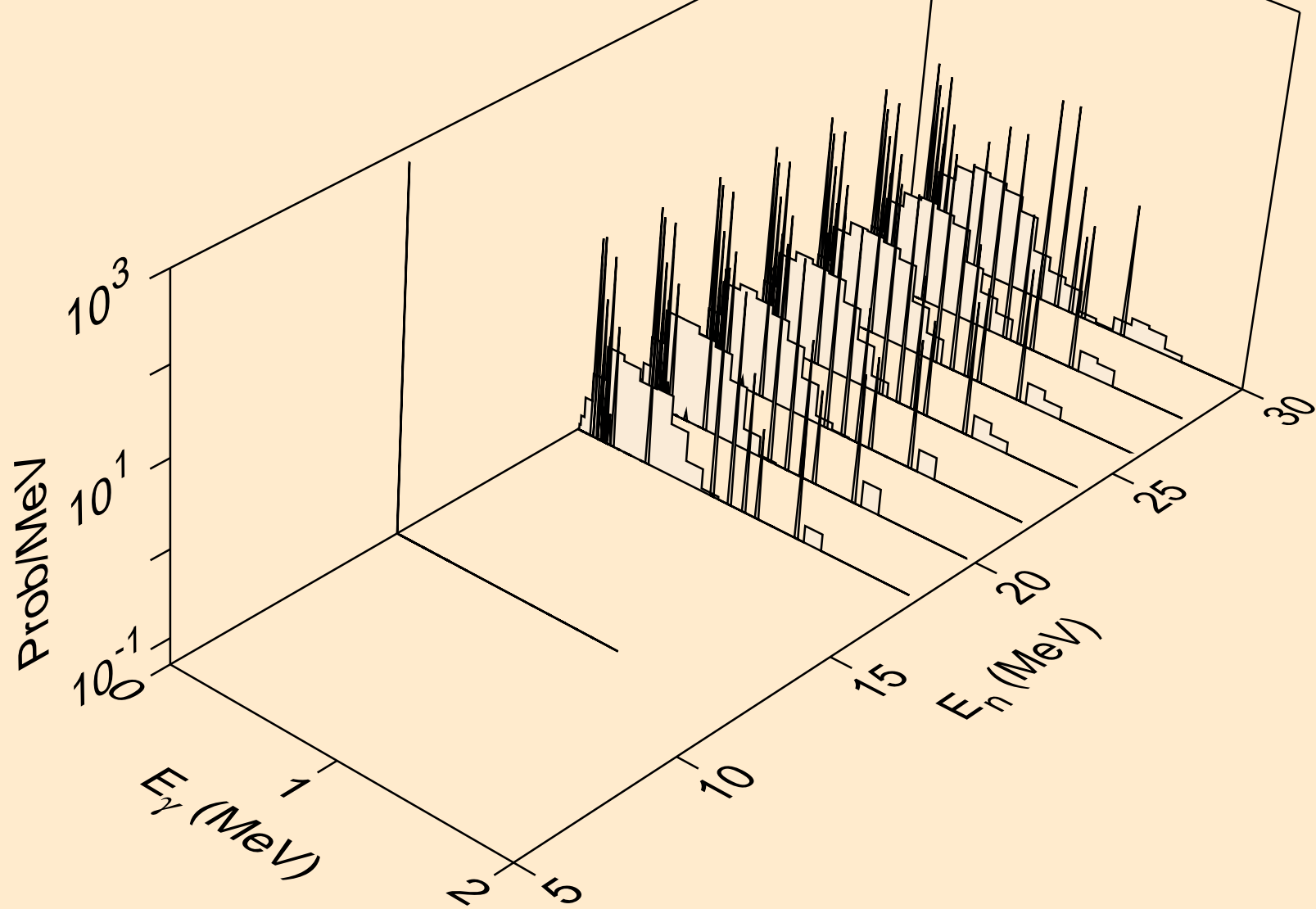
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



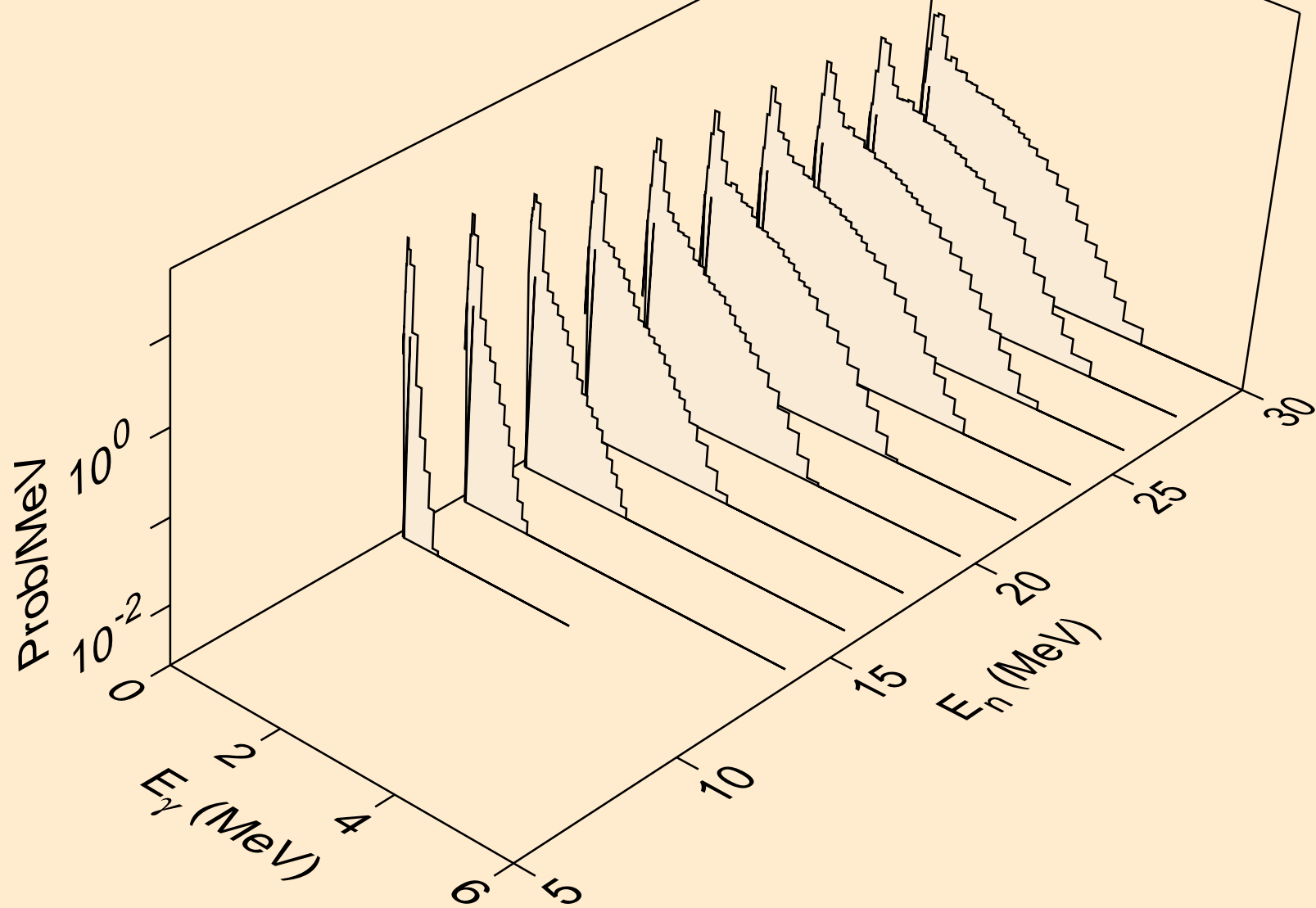
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



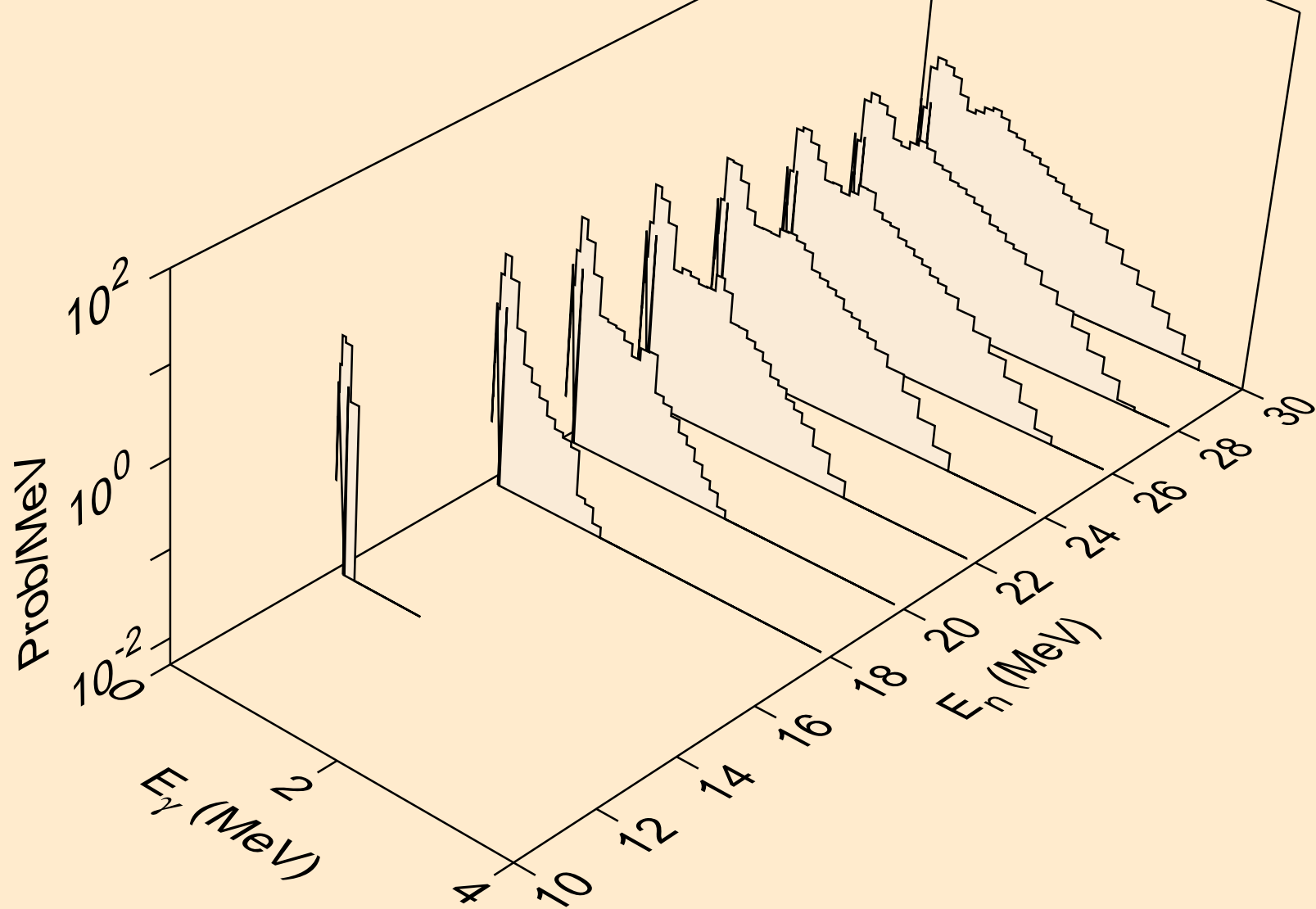
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



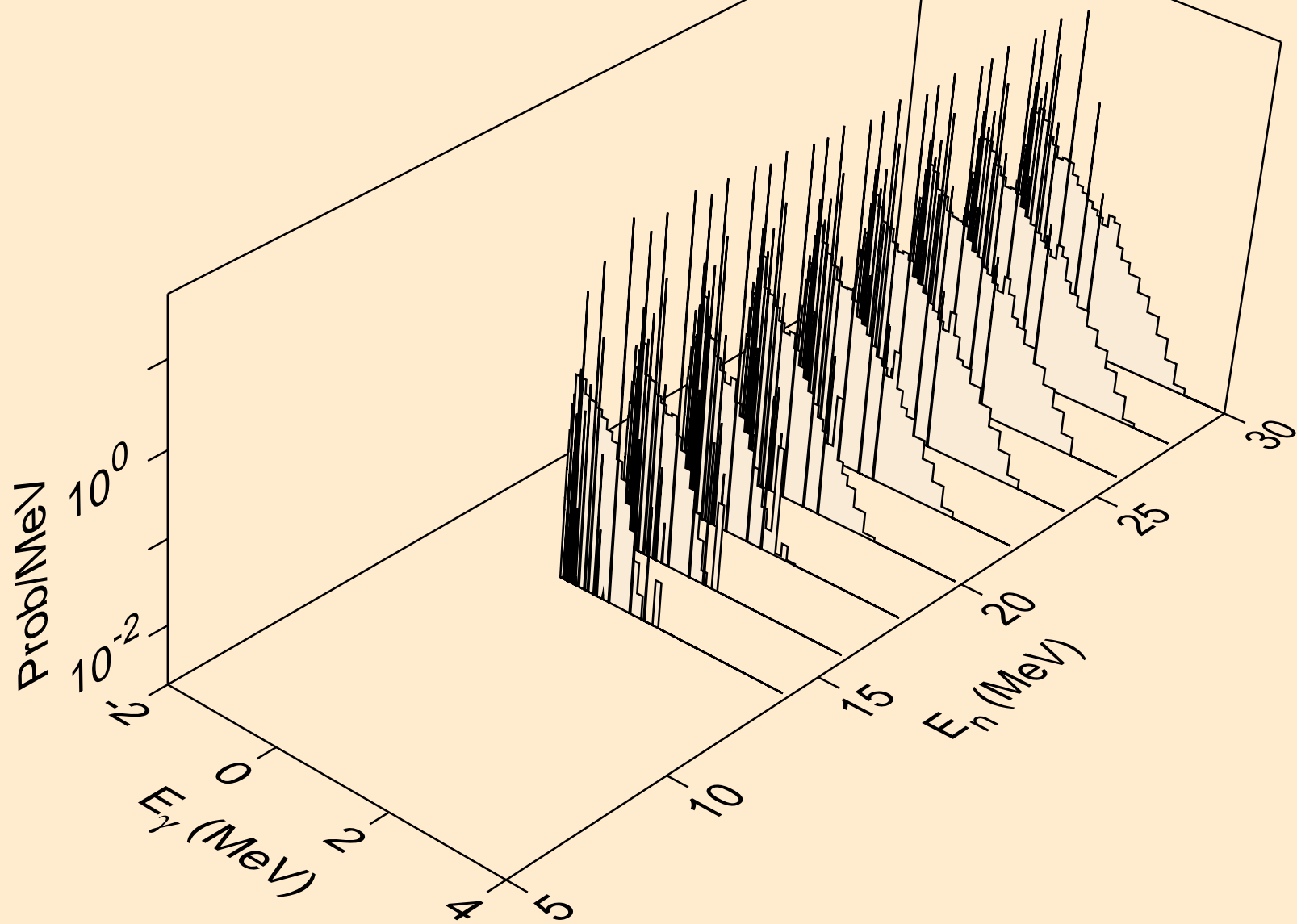
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



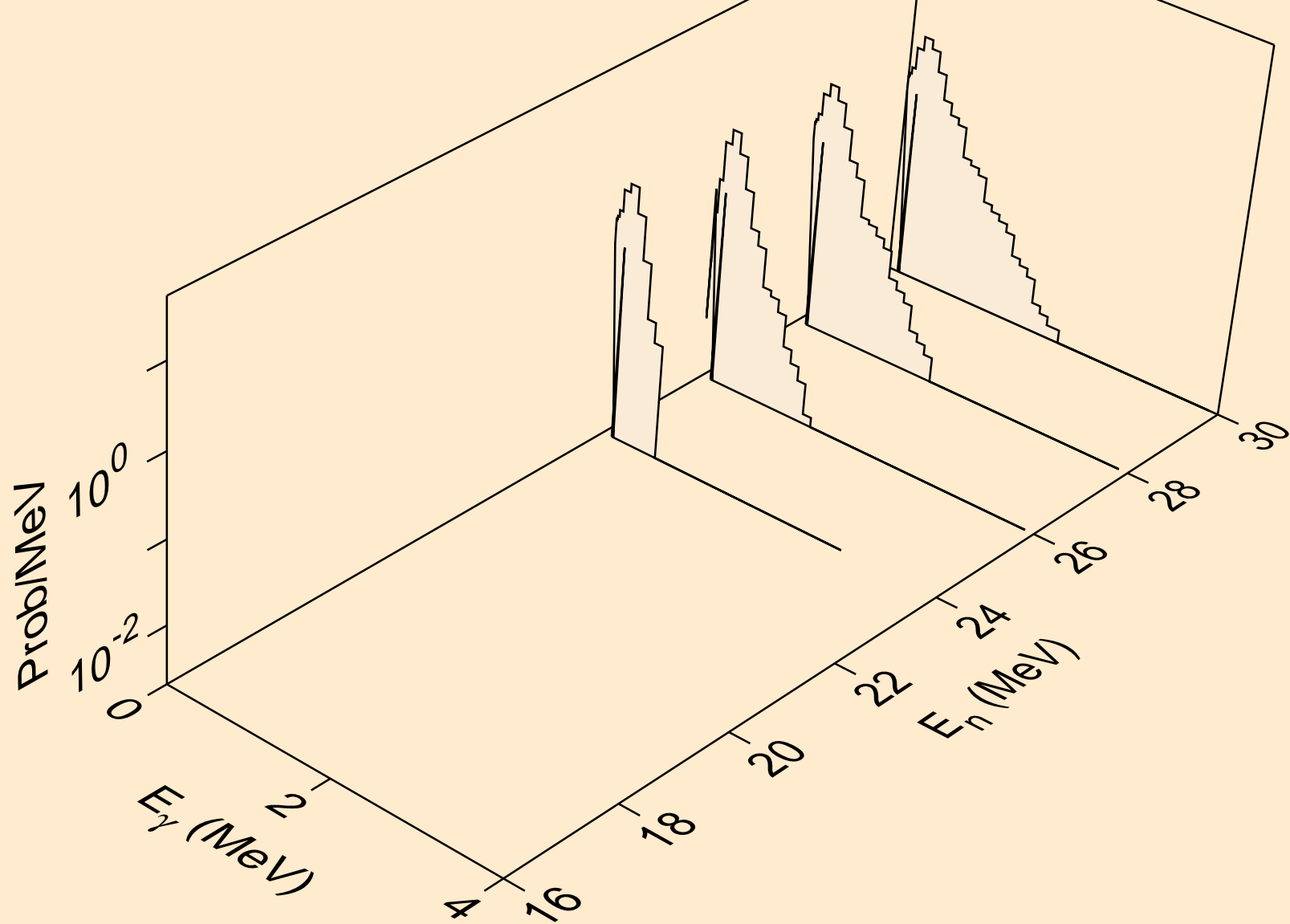
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



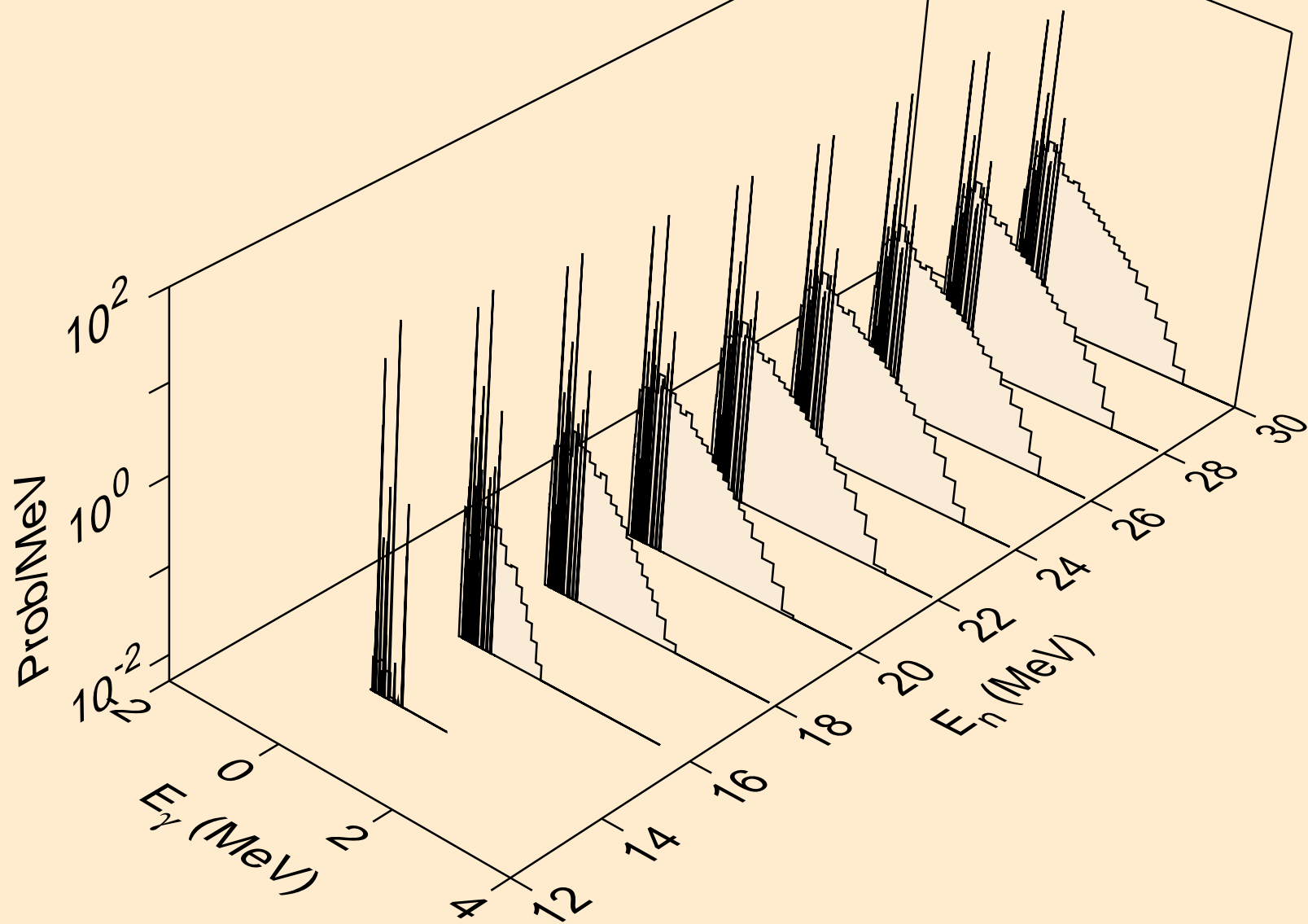
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

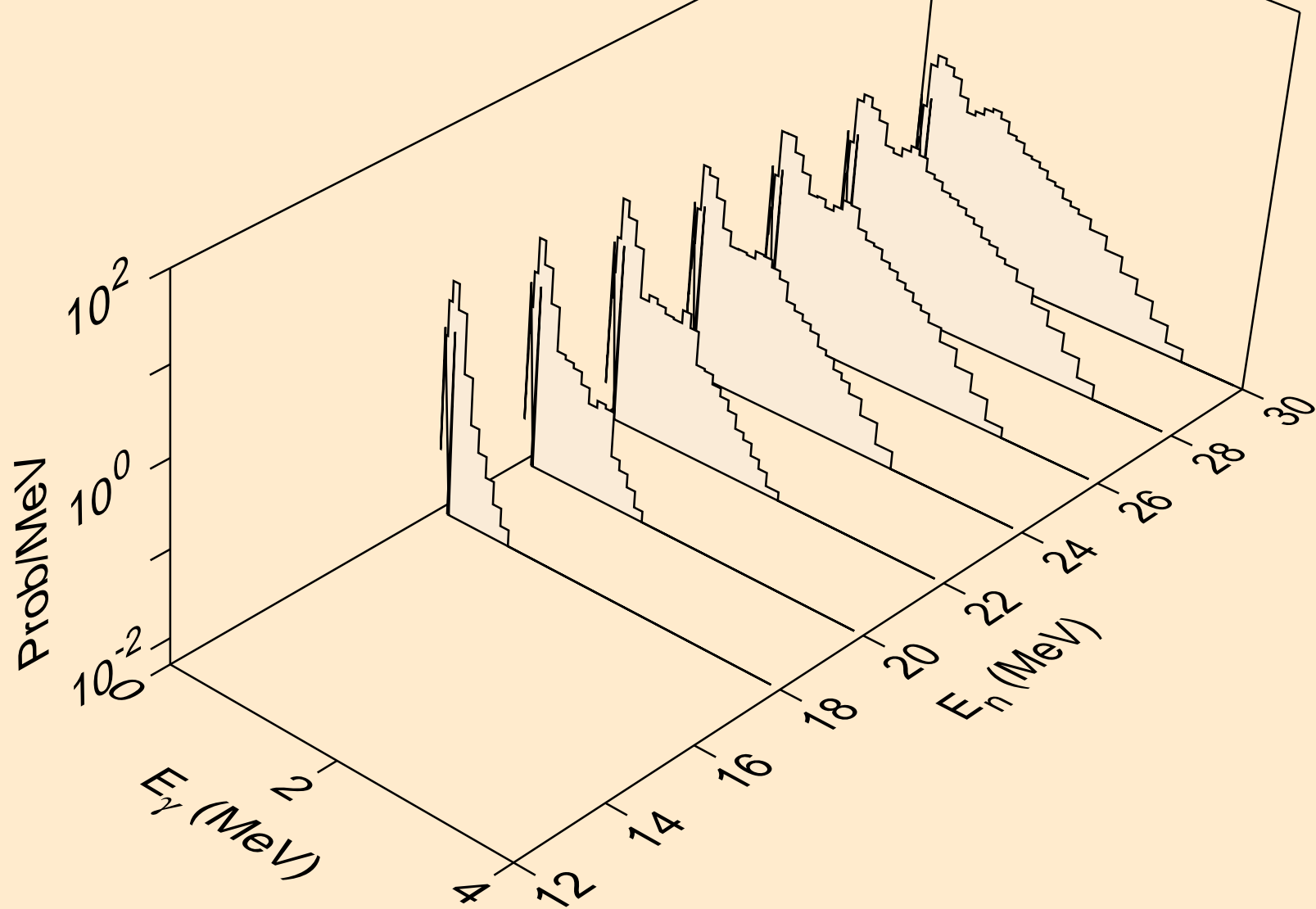


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)

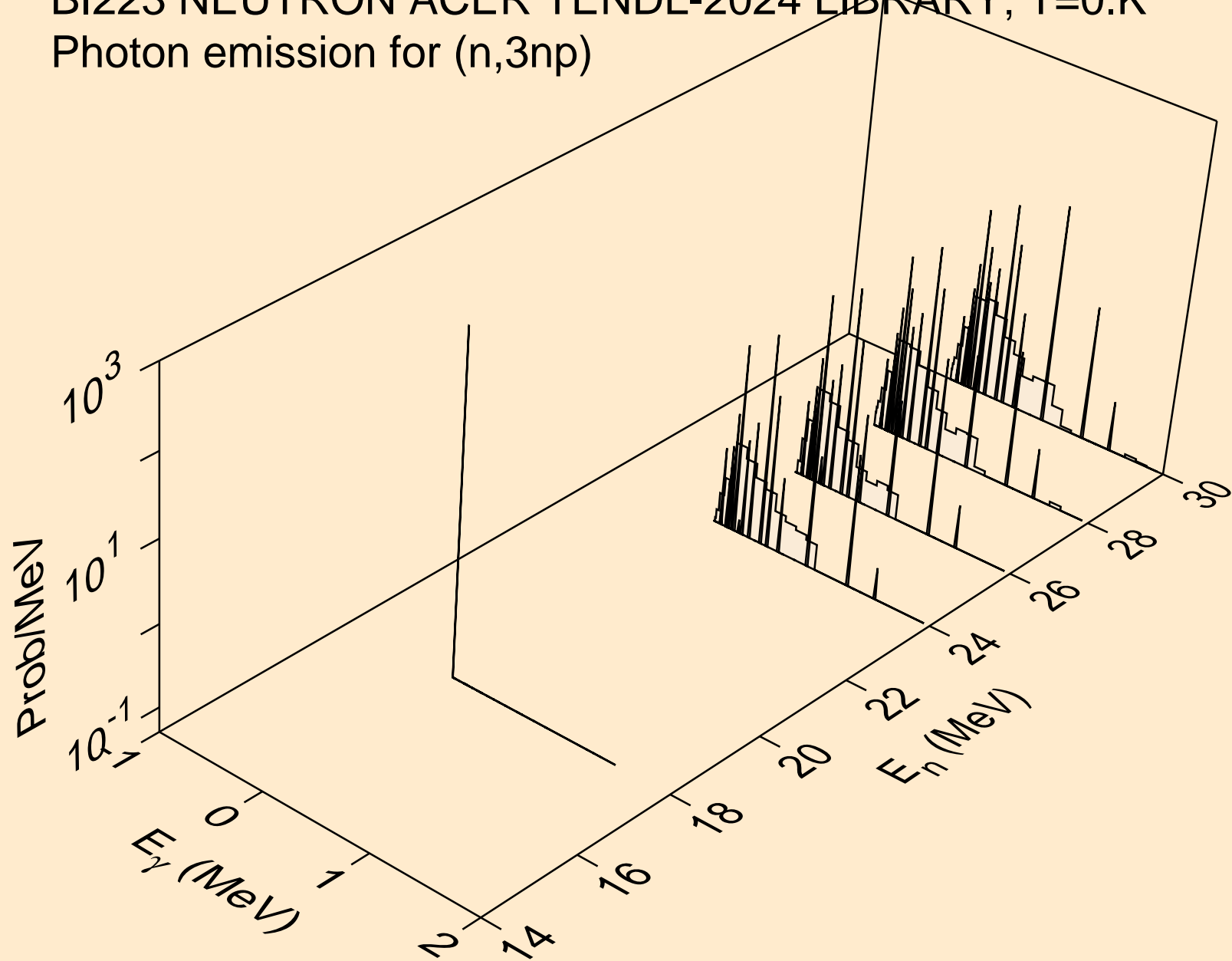




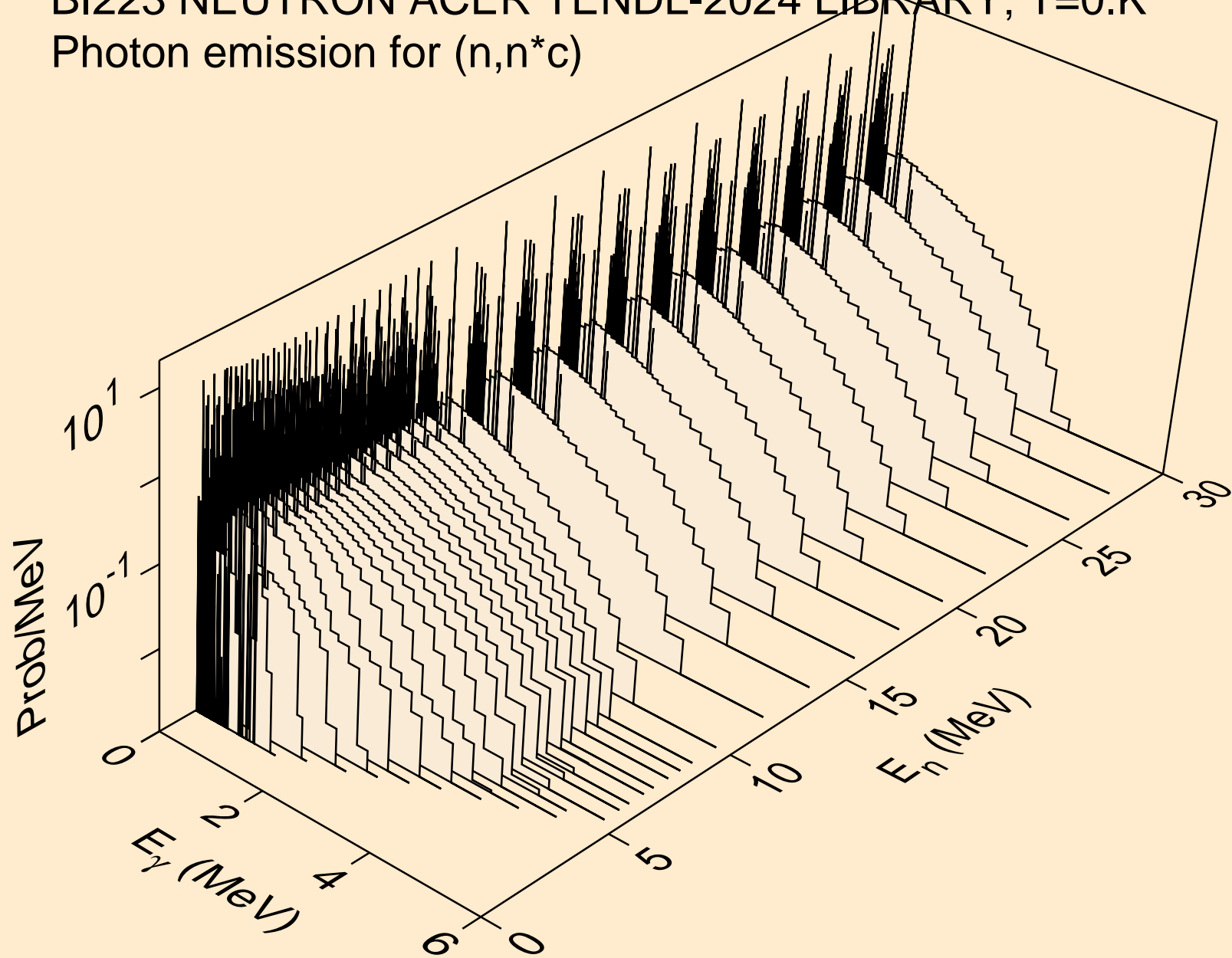
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



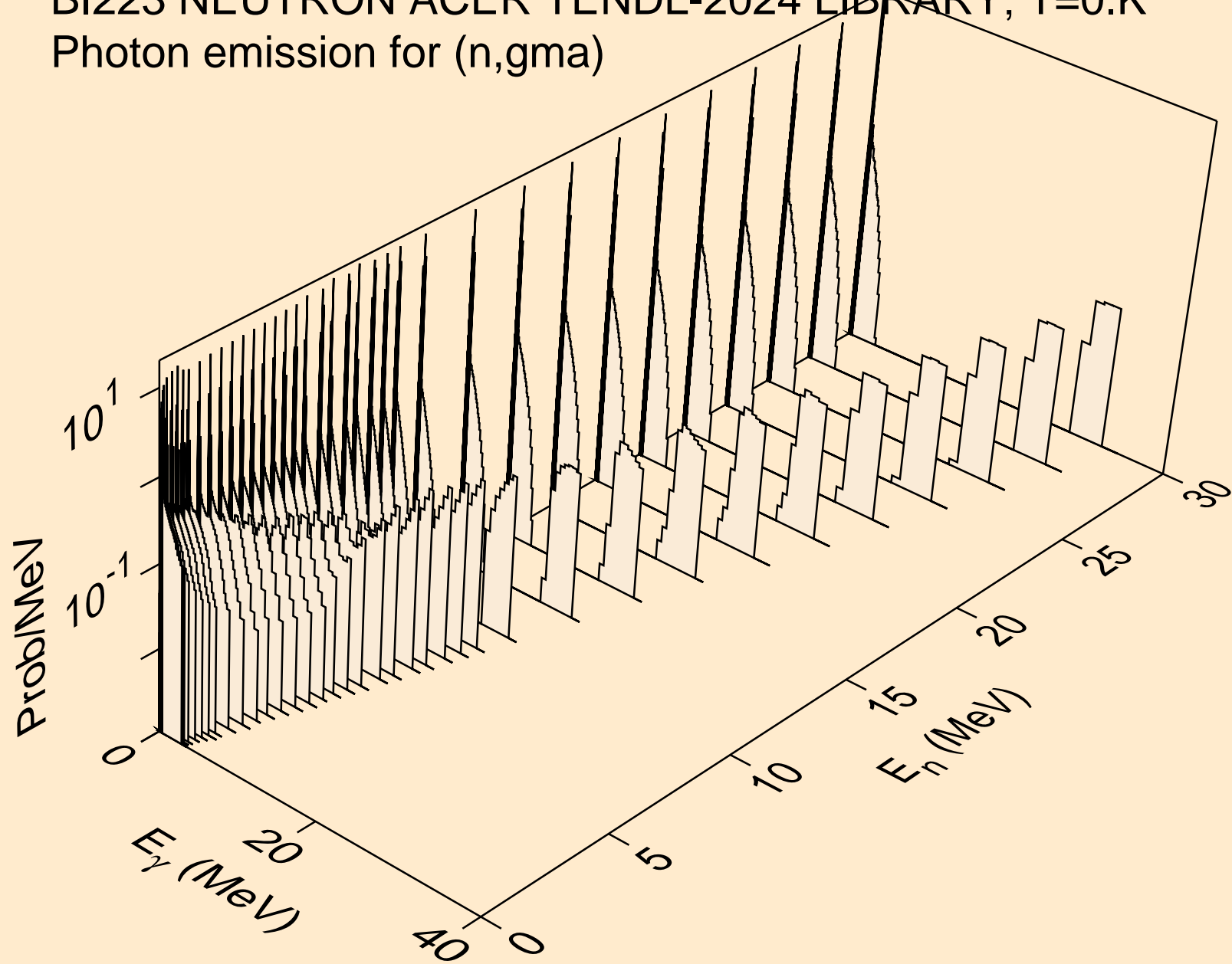
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



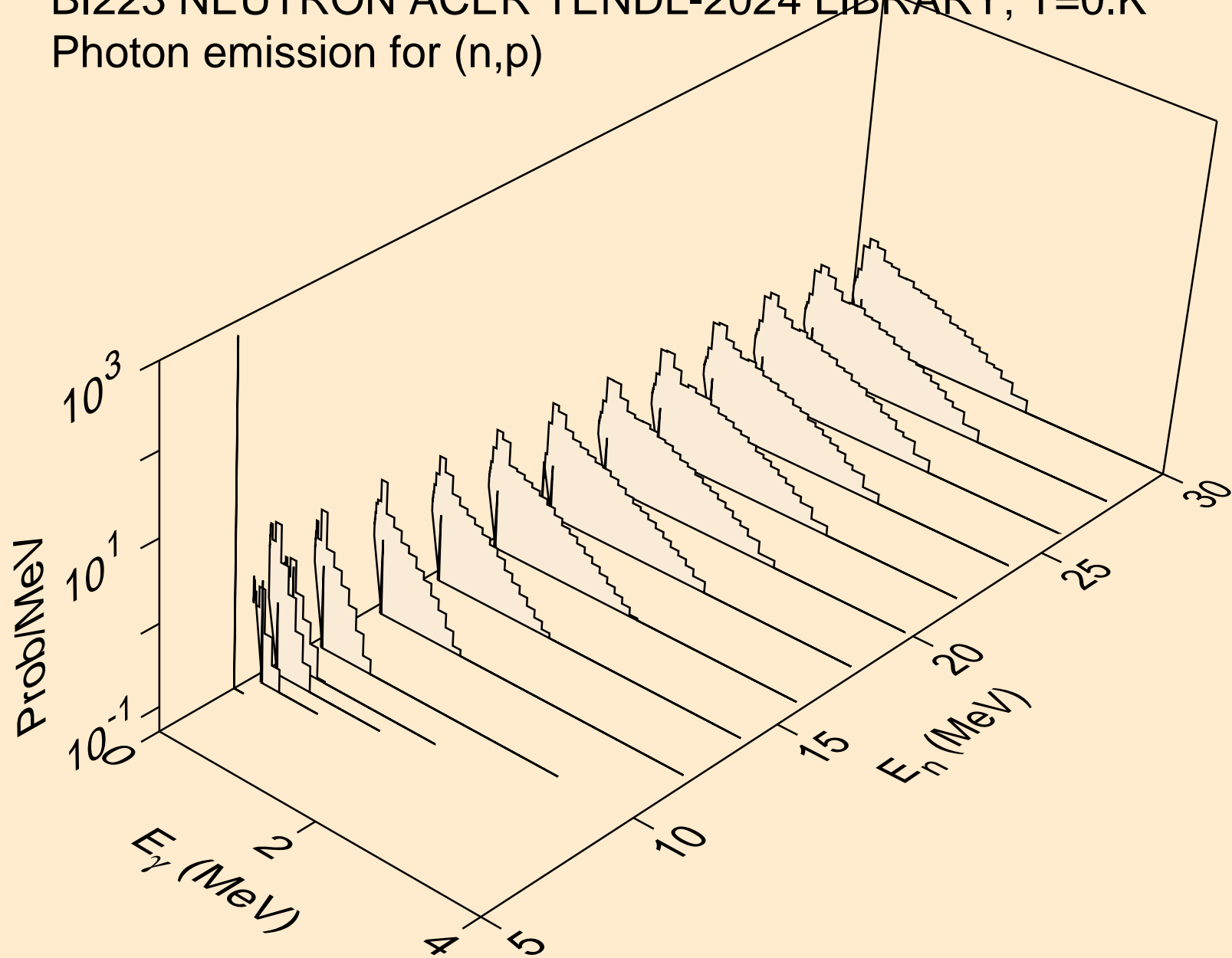
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Photon emission for (n,n\*c)



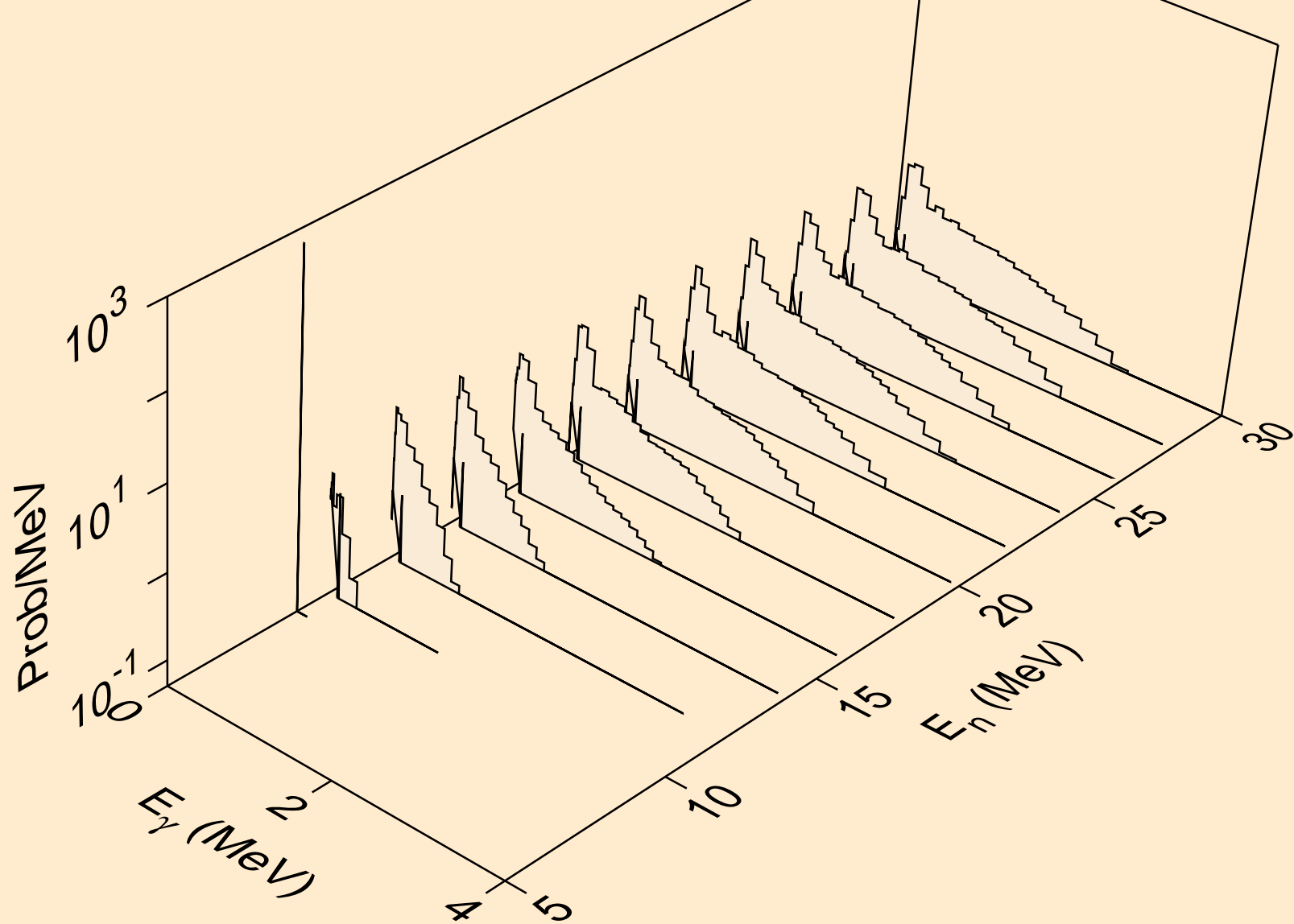
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Photon emission for (n,gma)



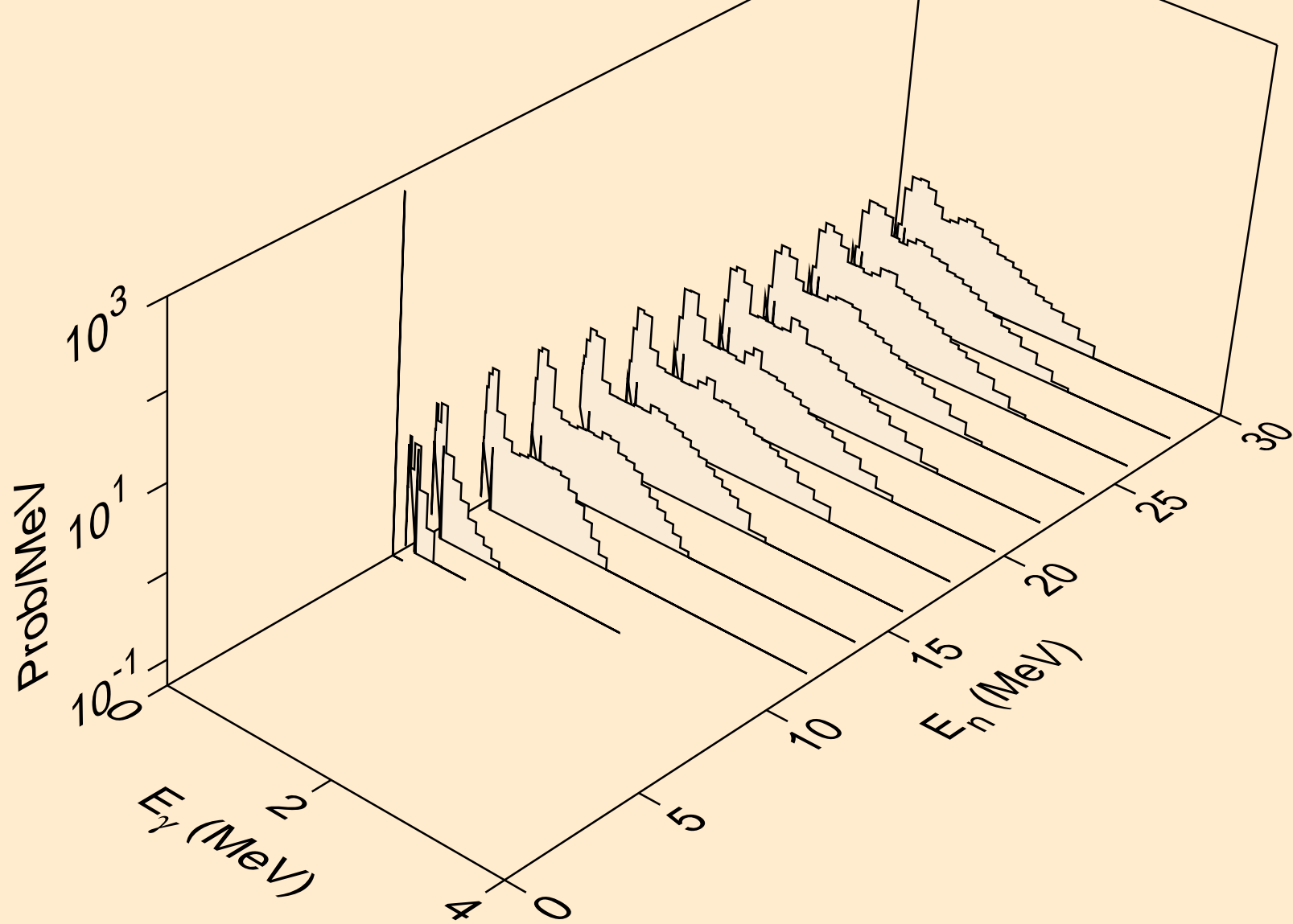
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



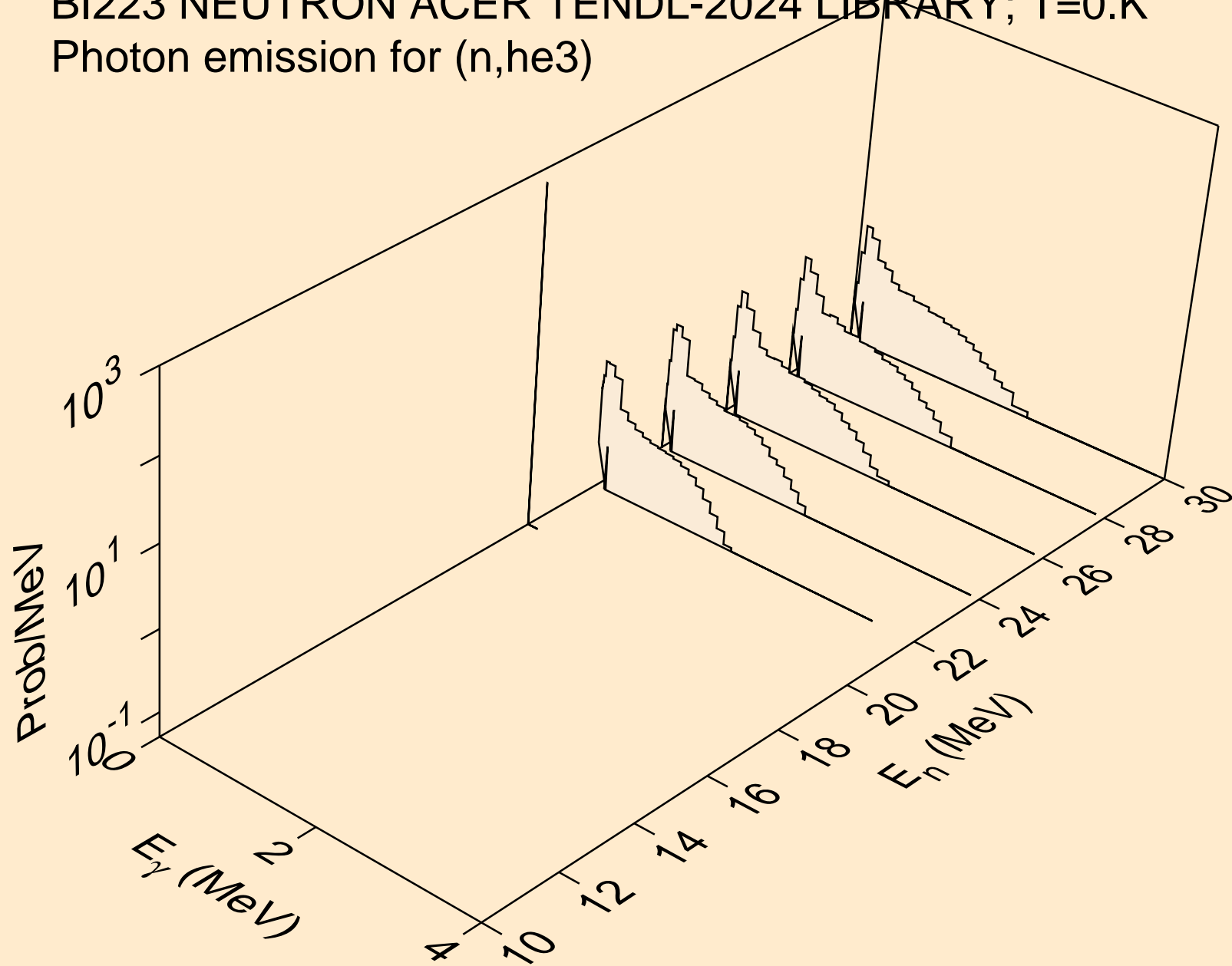
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)

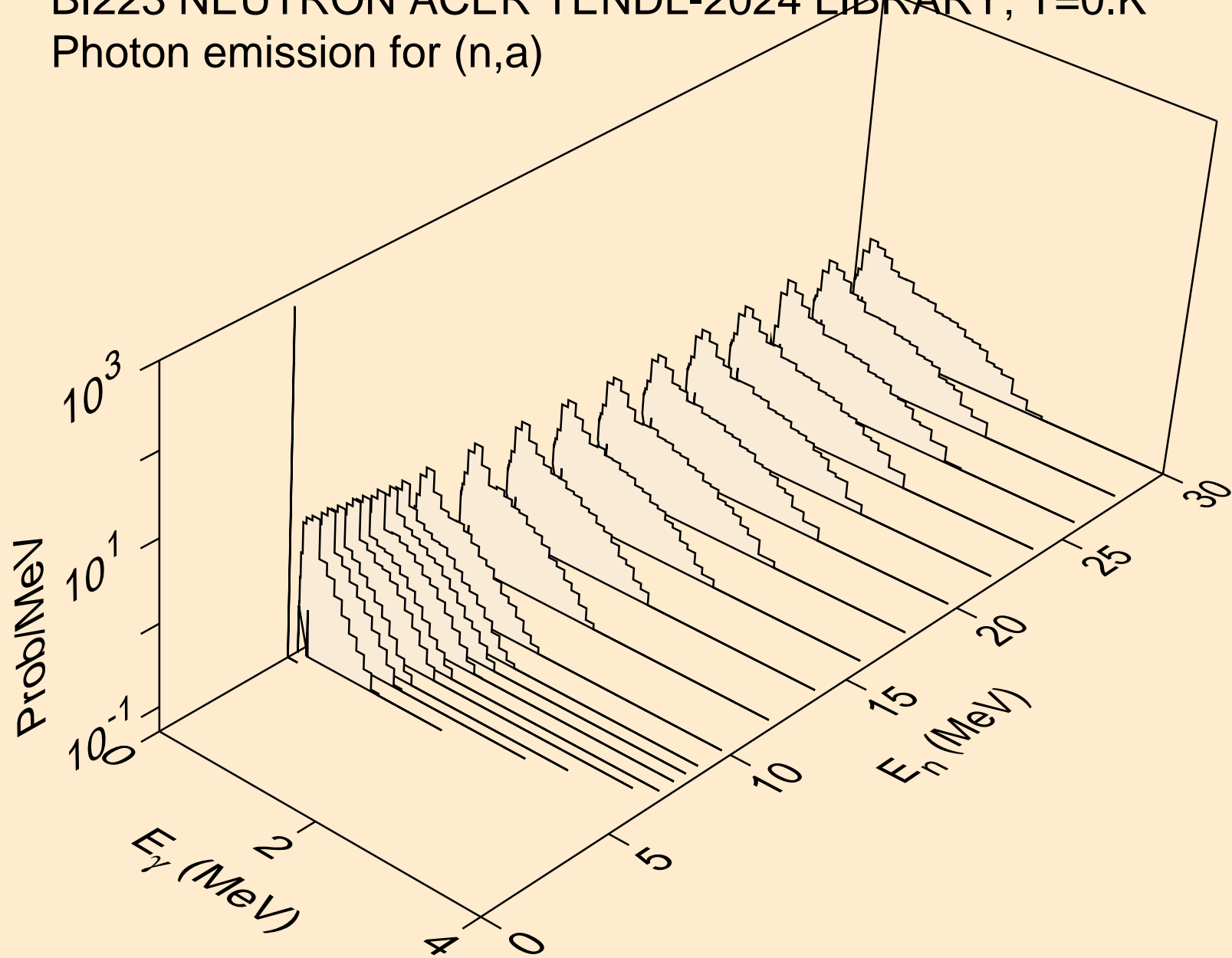


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

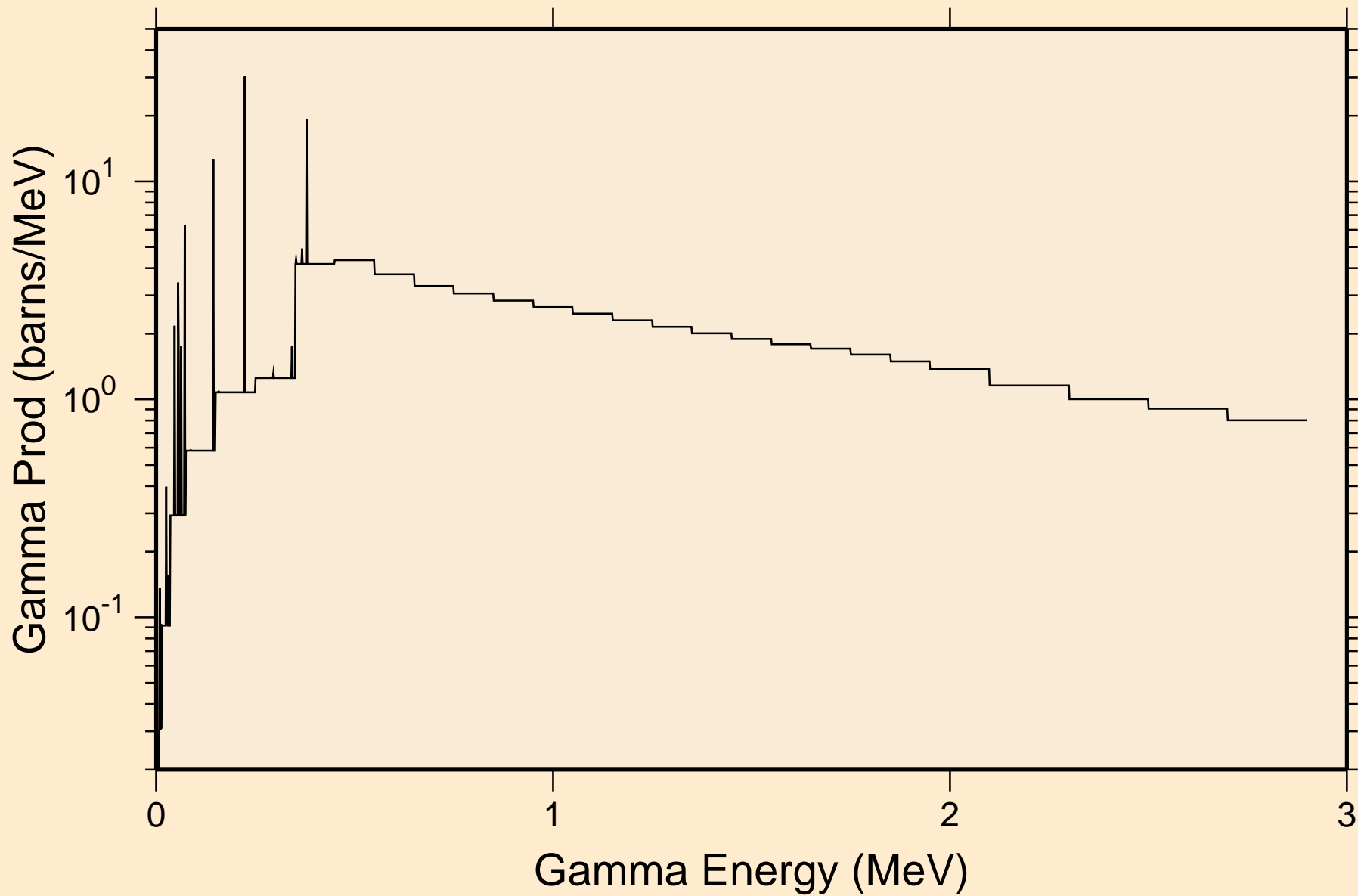




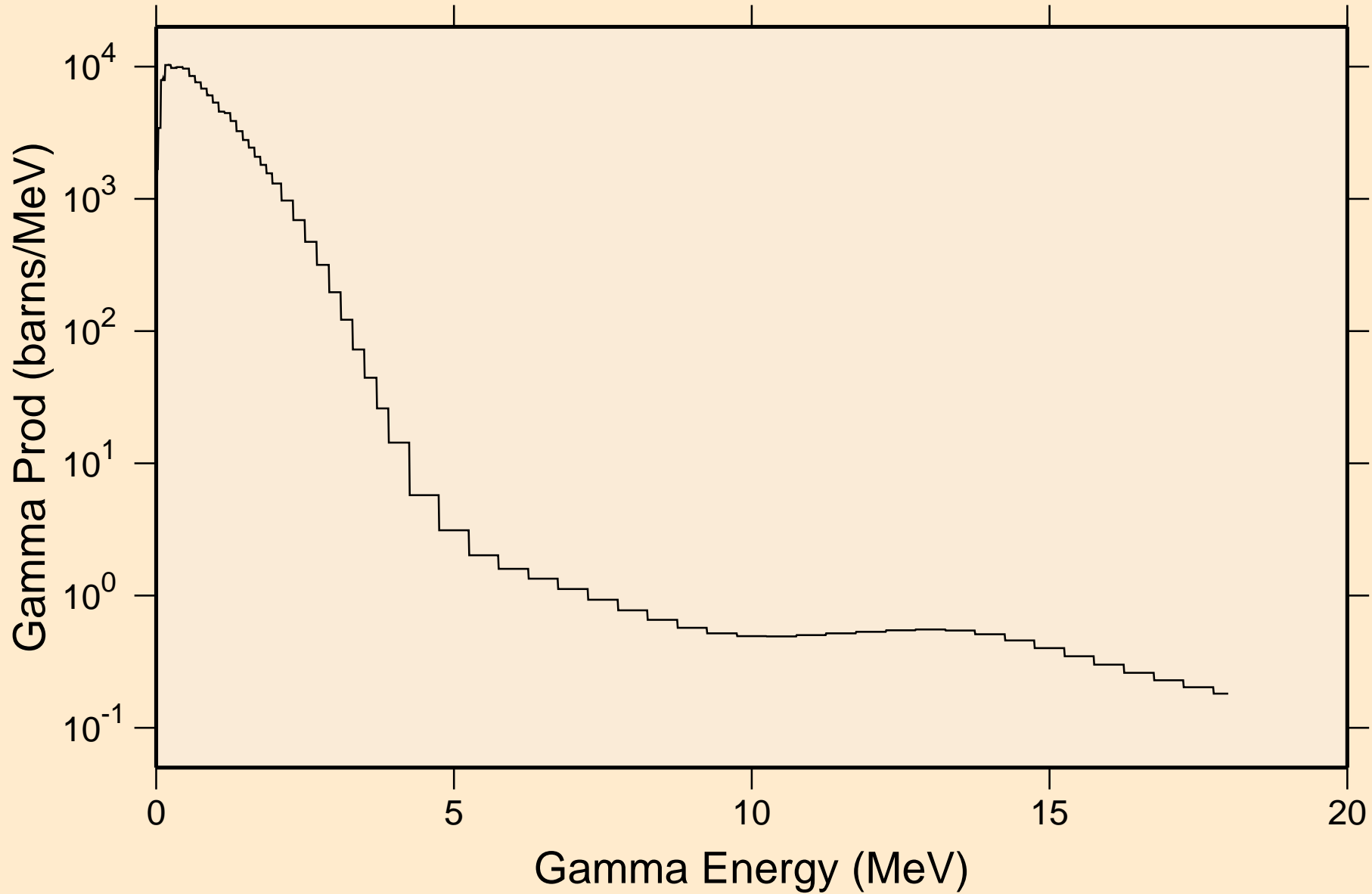
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



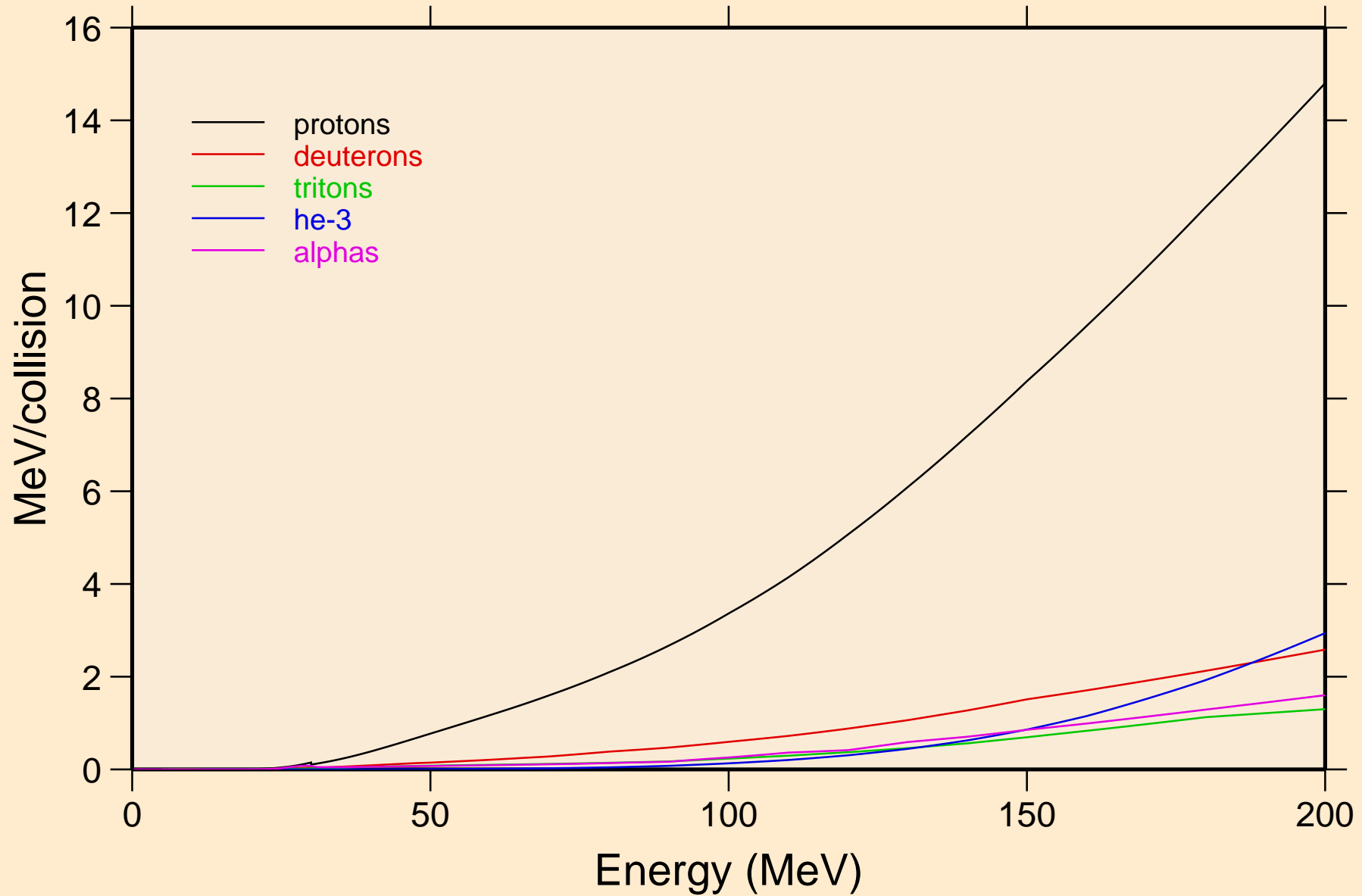
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



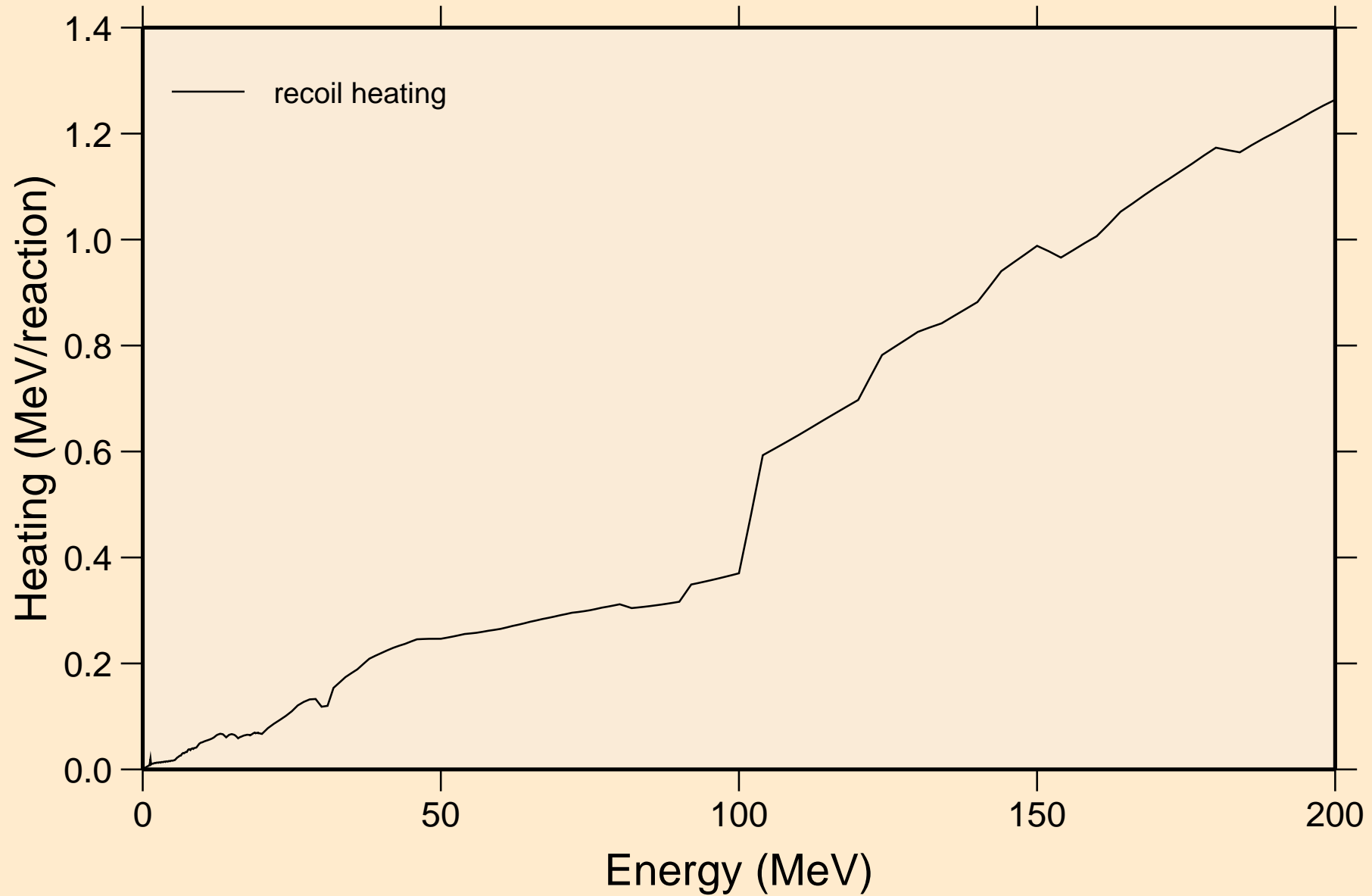
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14 MeV photon spectrum



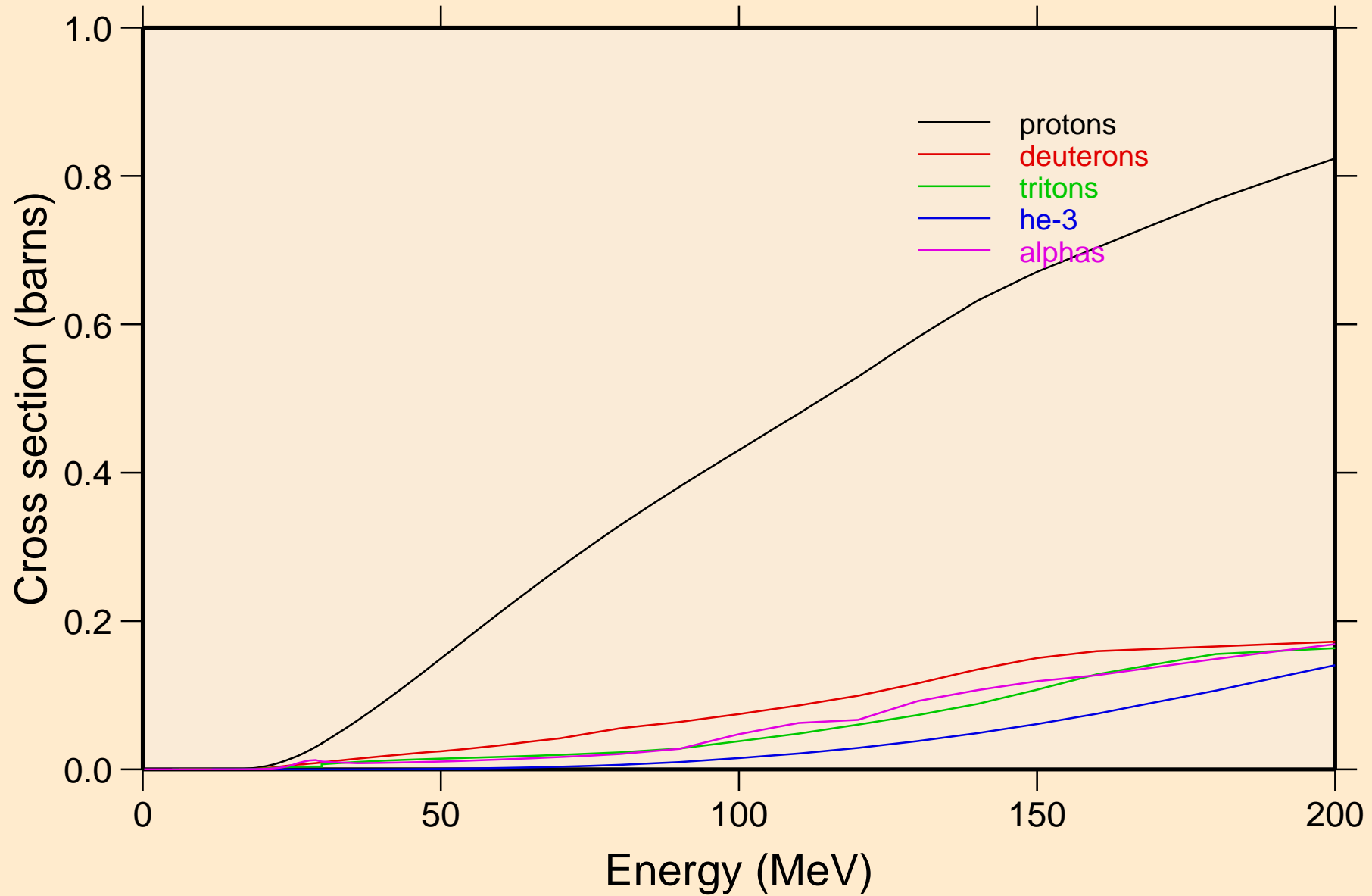
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Particle heating contributions



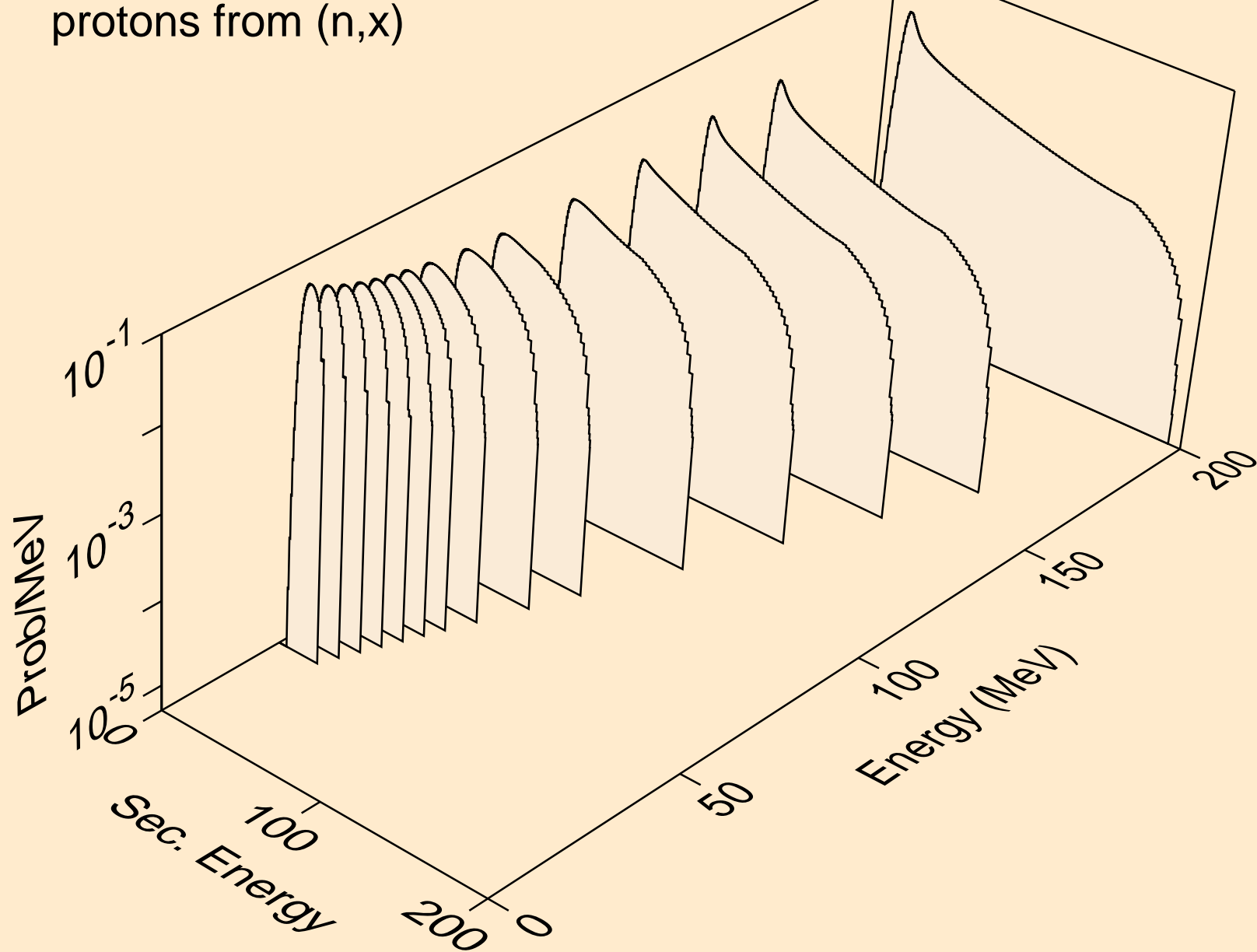
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Recoil Heating



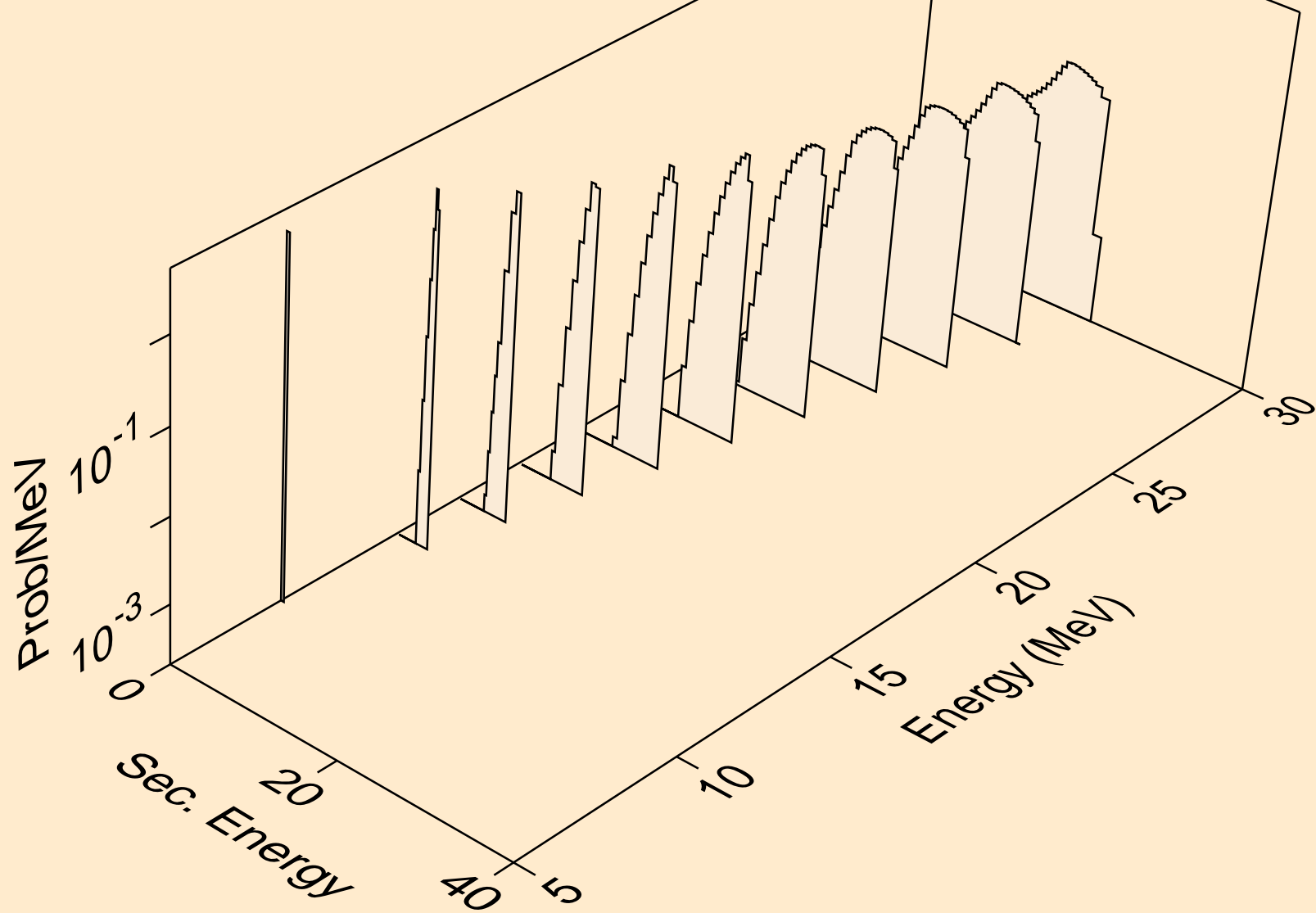
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)

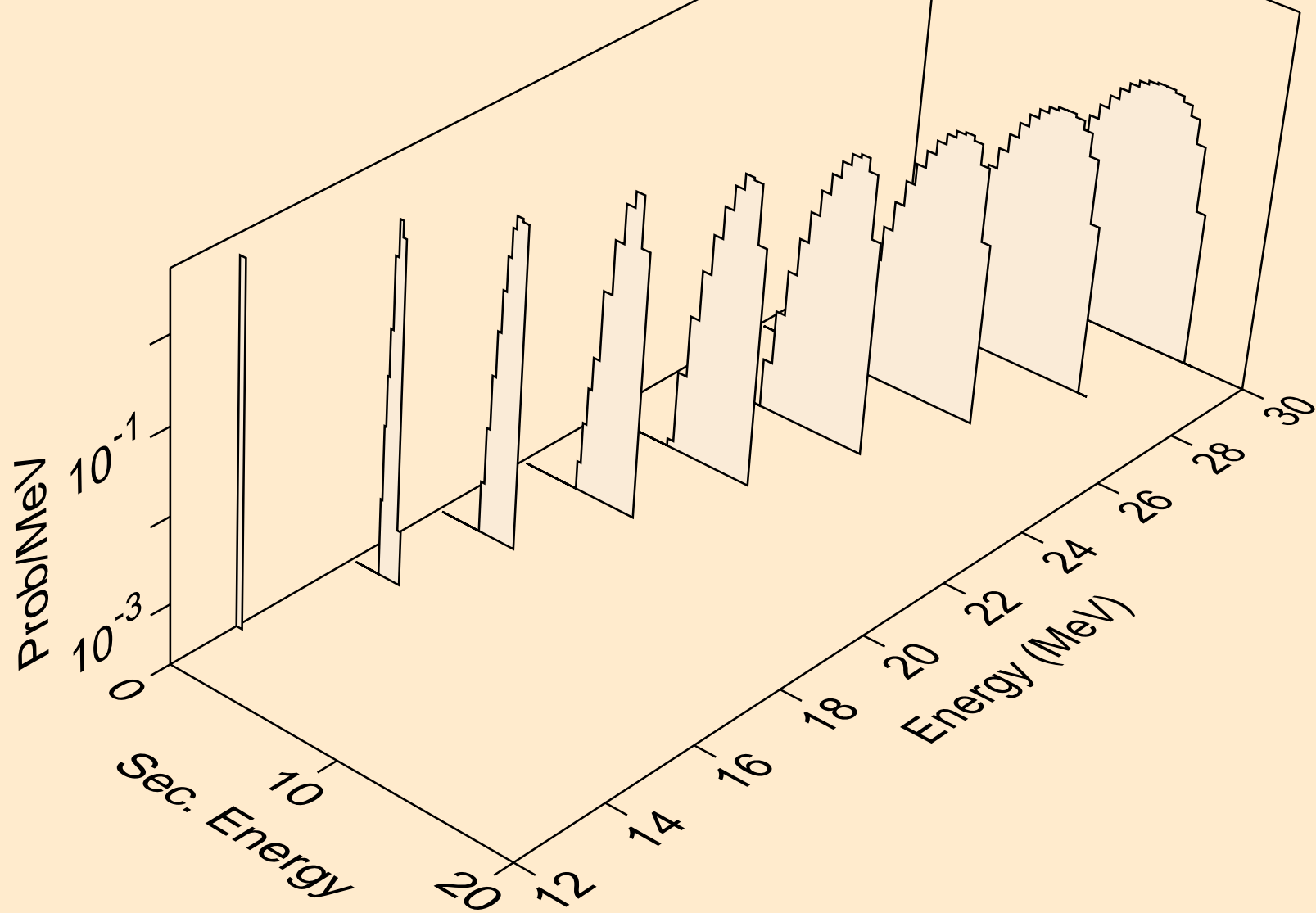


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p

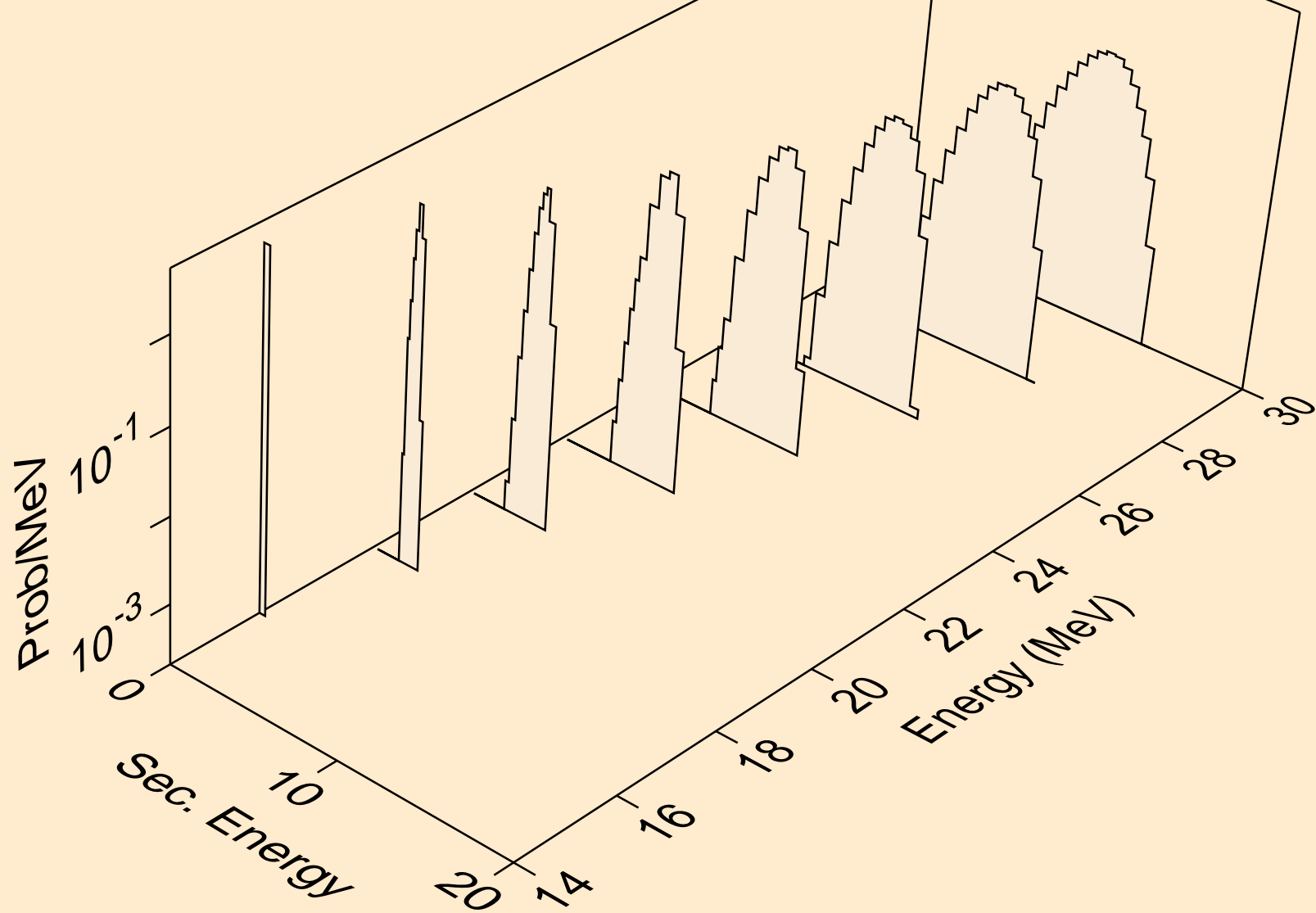




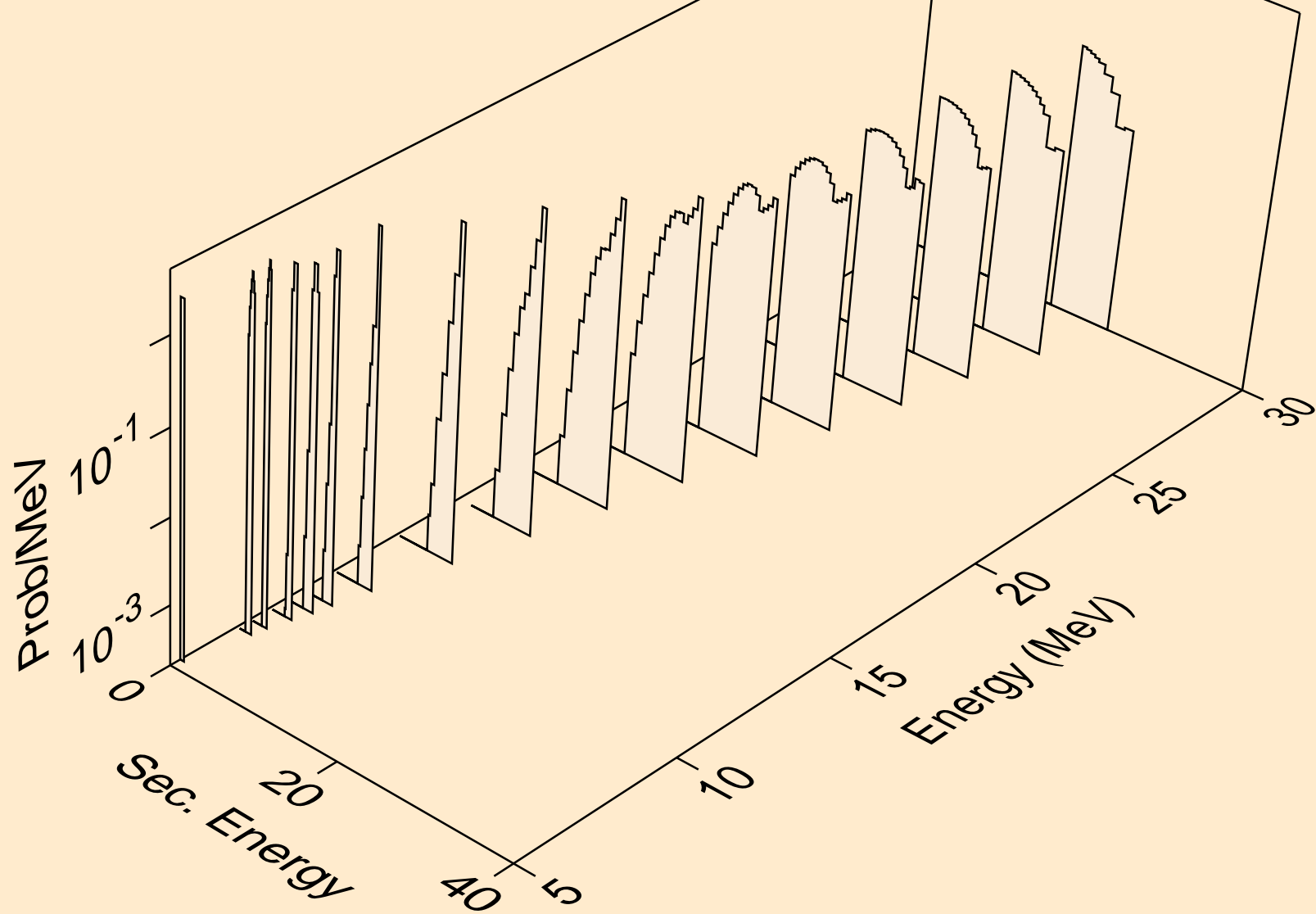
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protons from (n,2np)



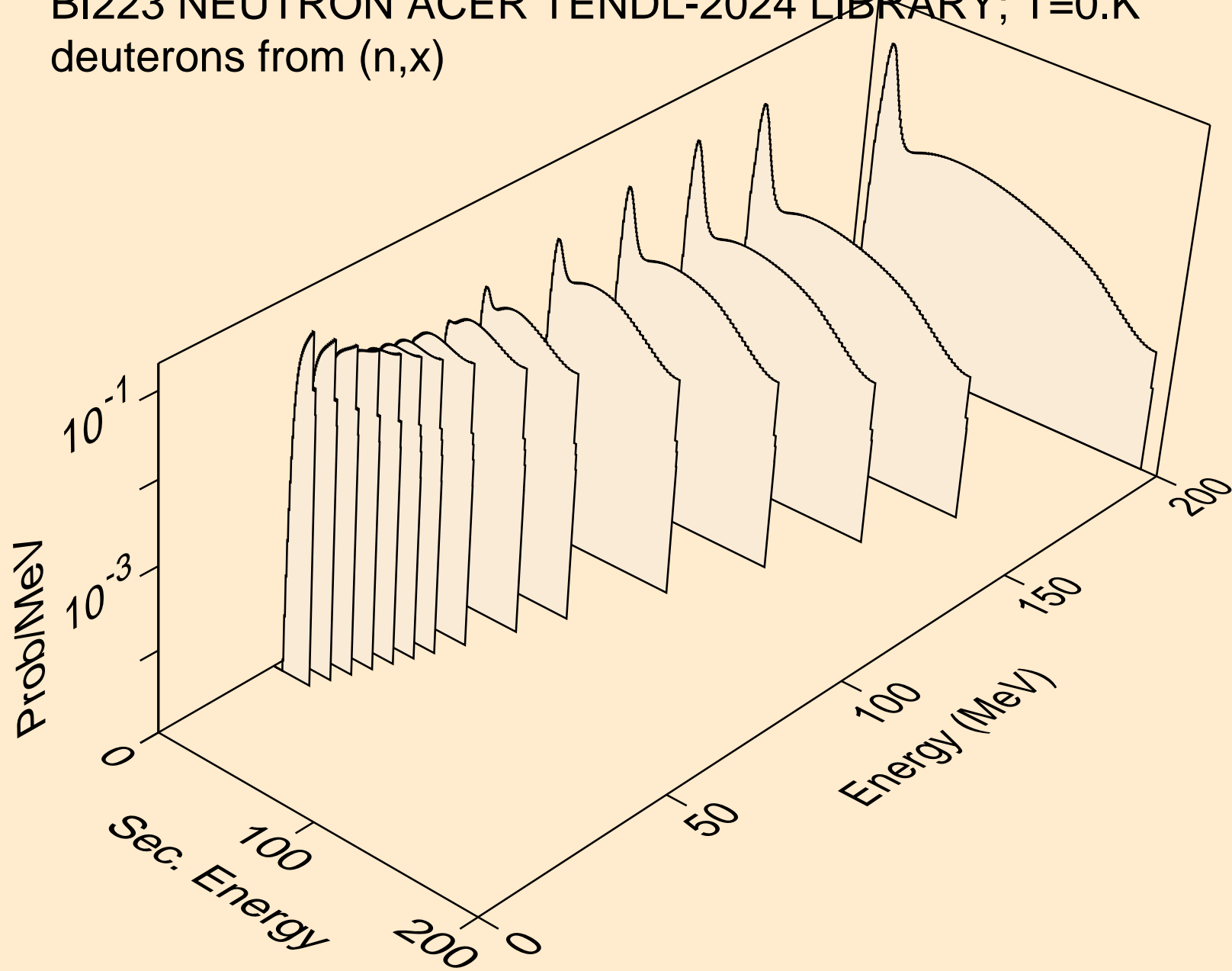
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protons from (n,3np)



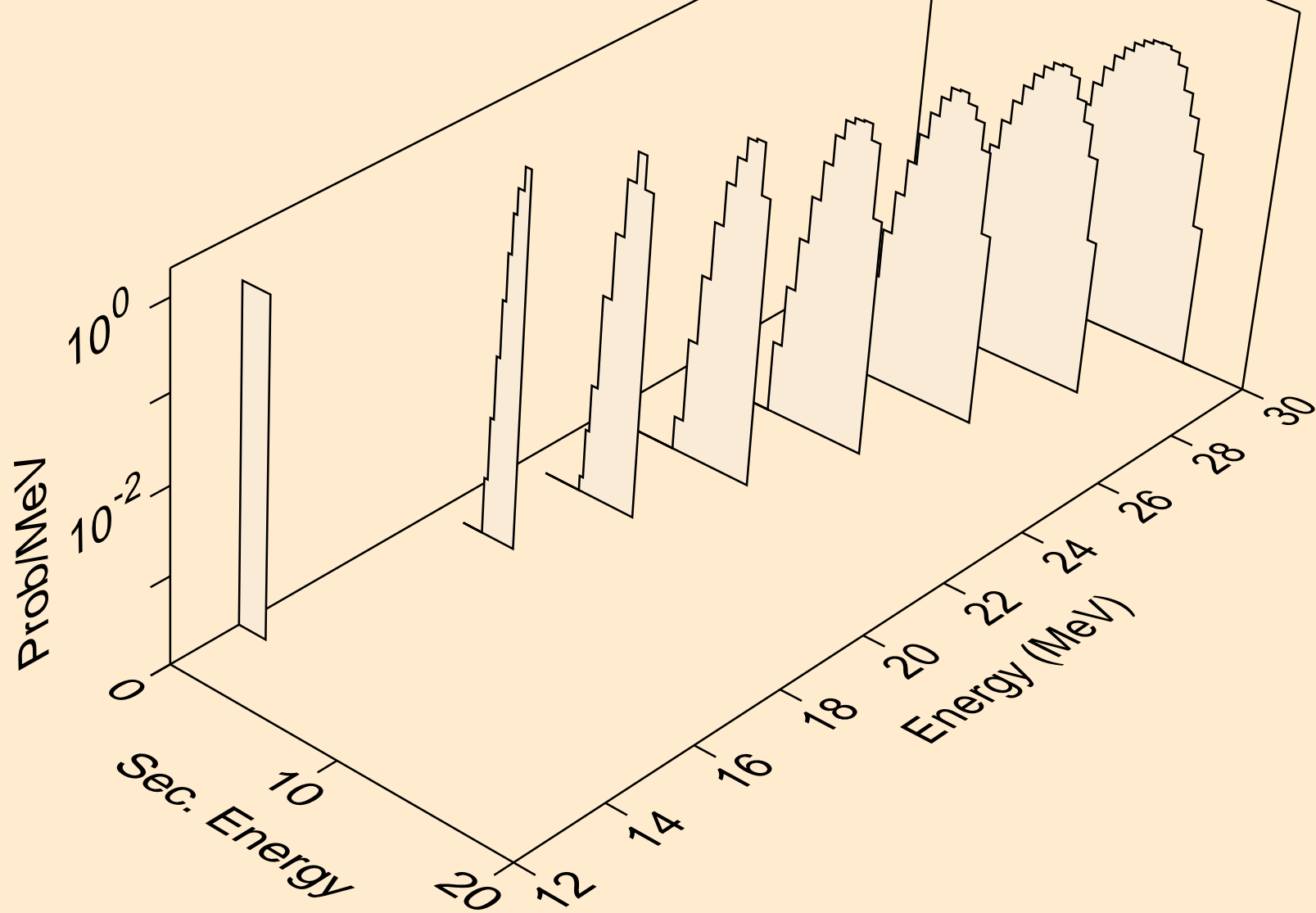
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protons from (n,p)



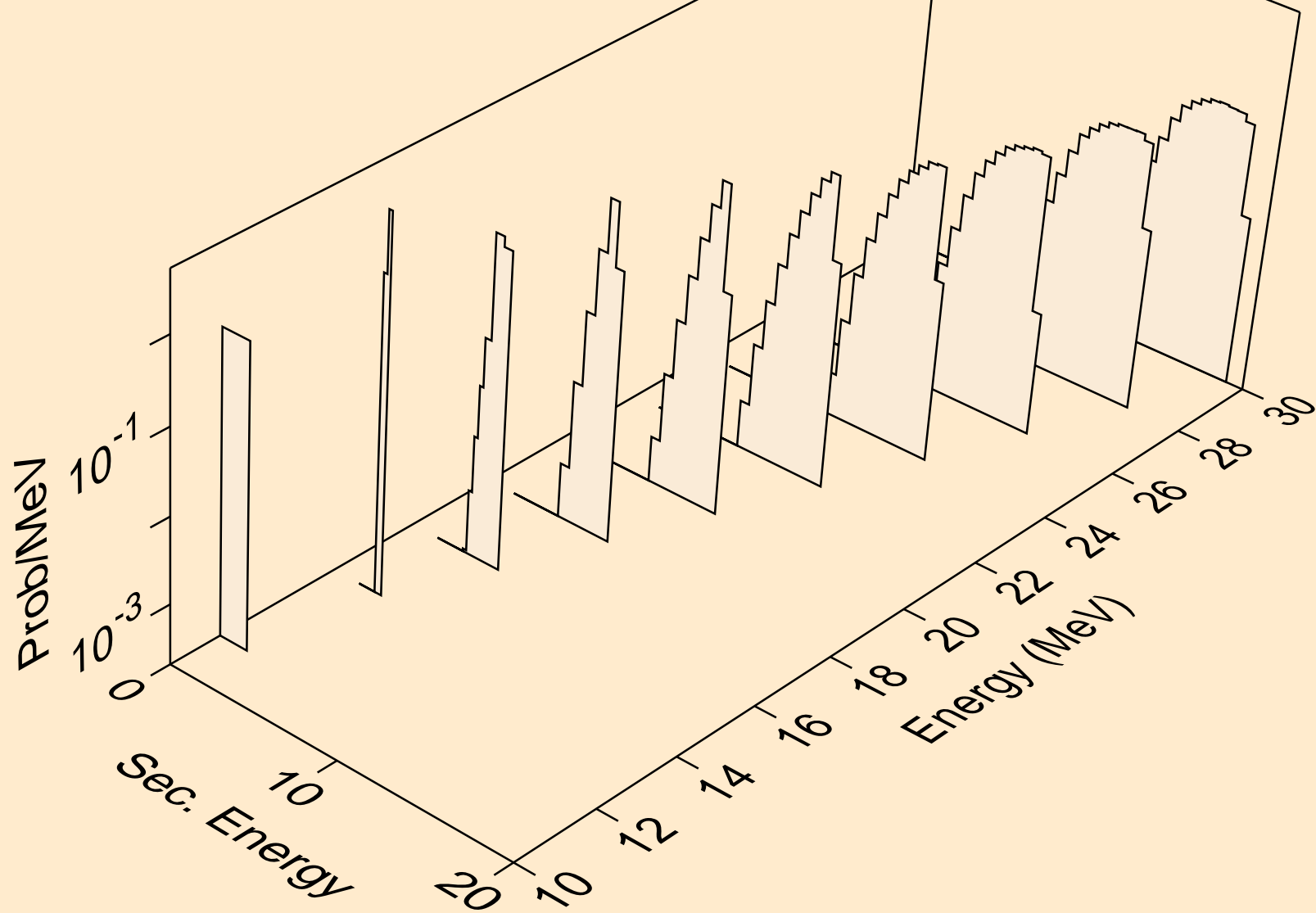
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deuterons from (n,x)



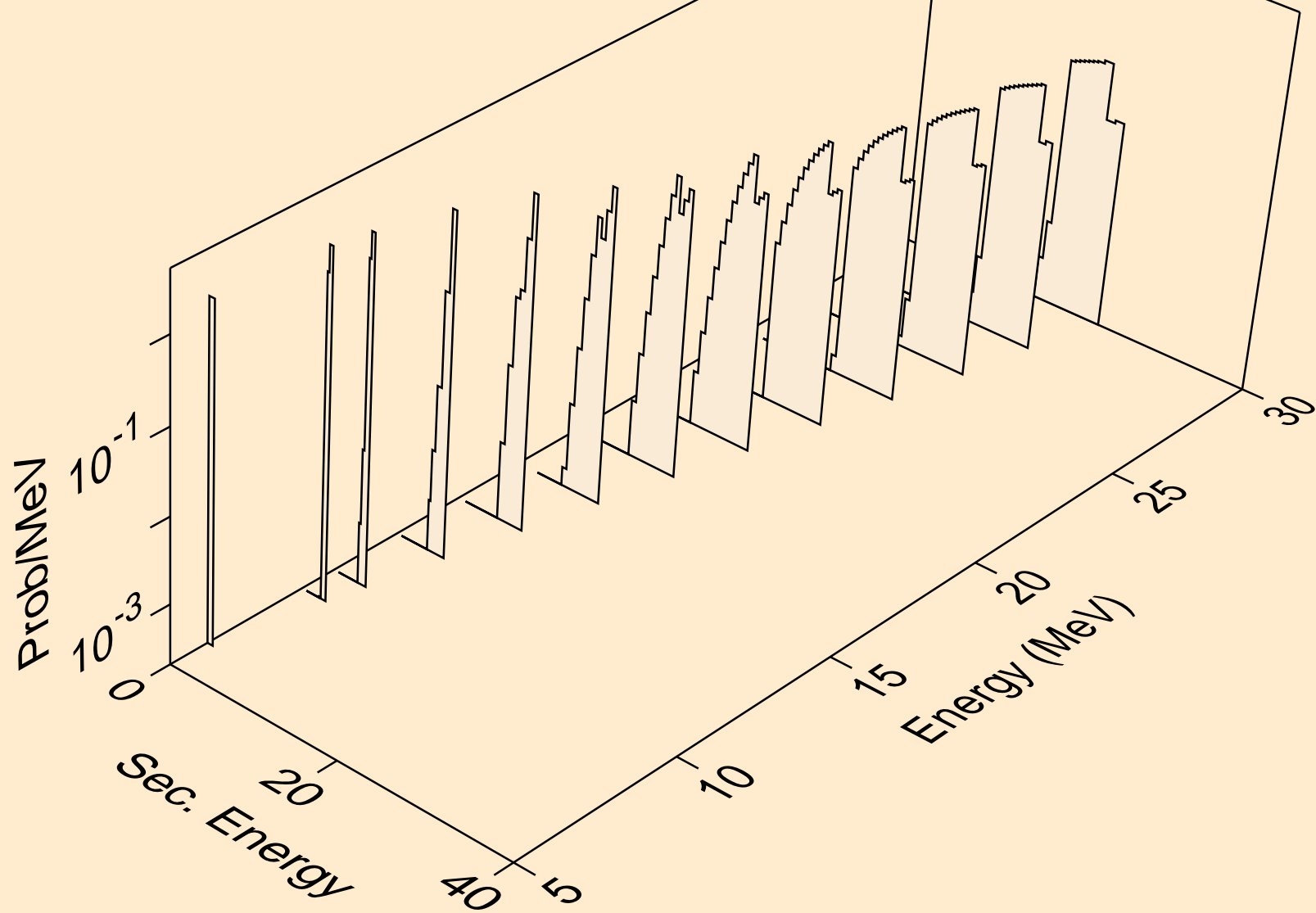
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deuterons from (n,2nd)



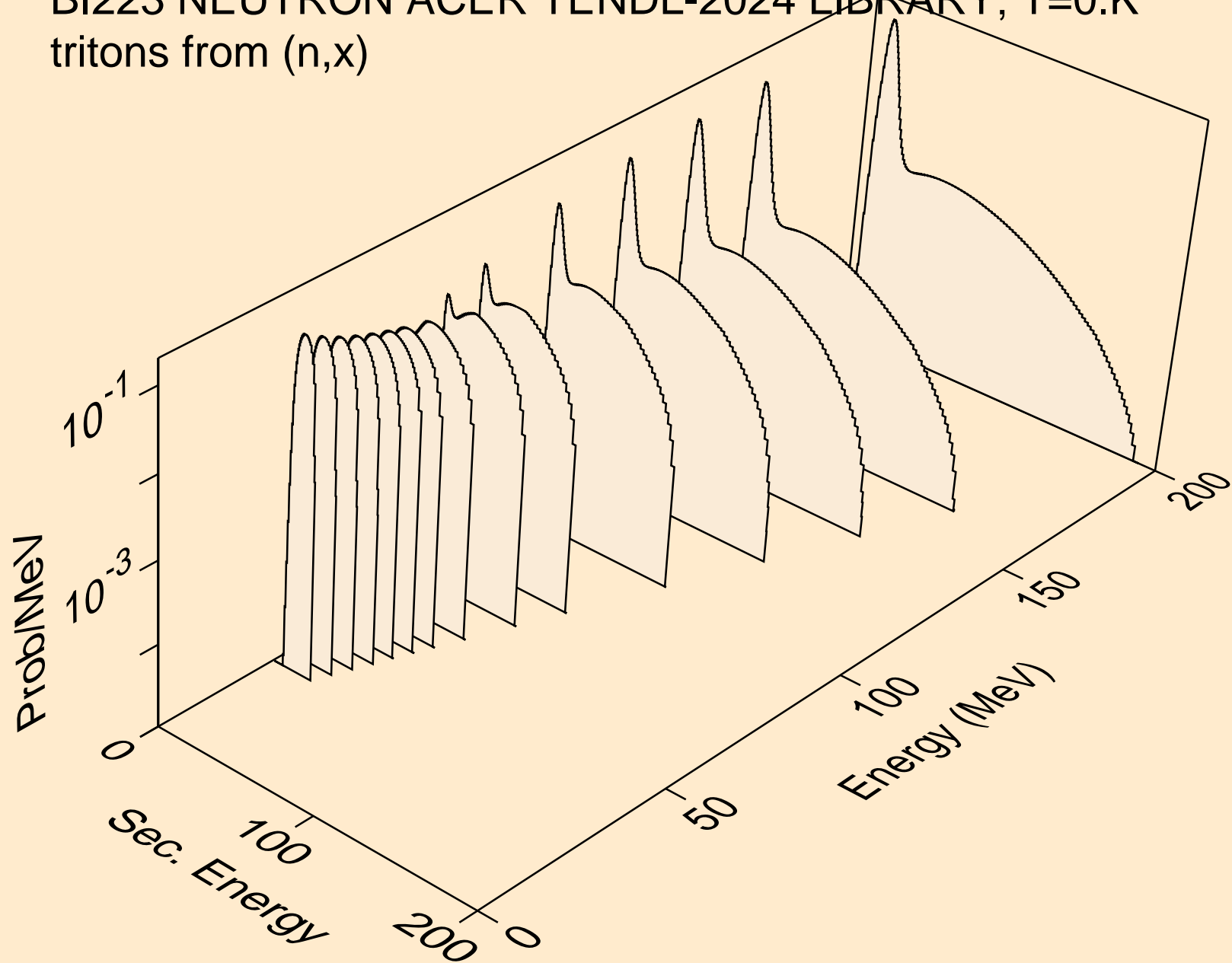
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deuterons from (n,n\*)d



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,d)

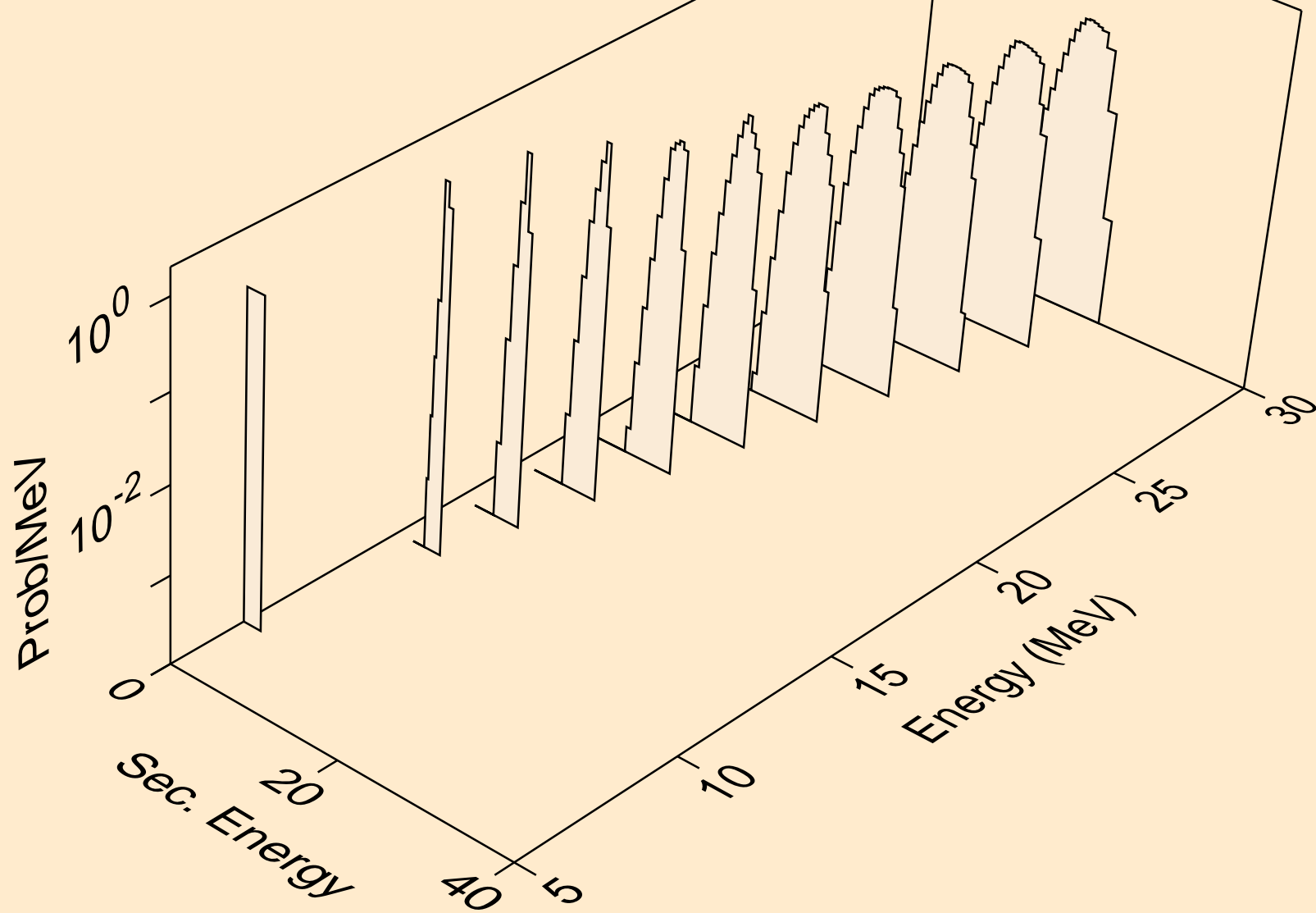


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

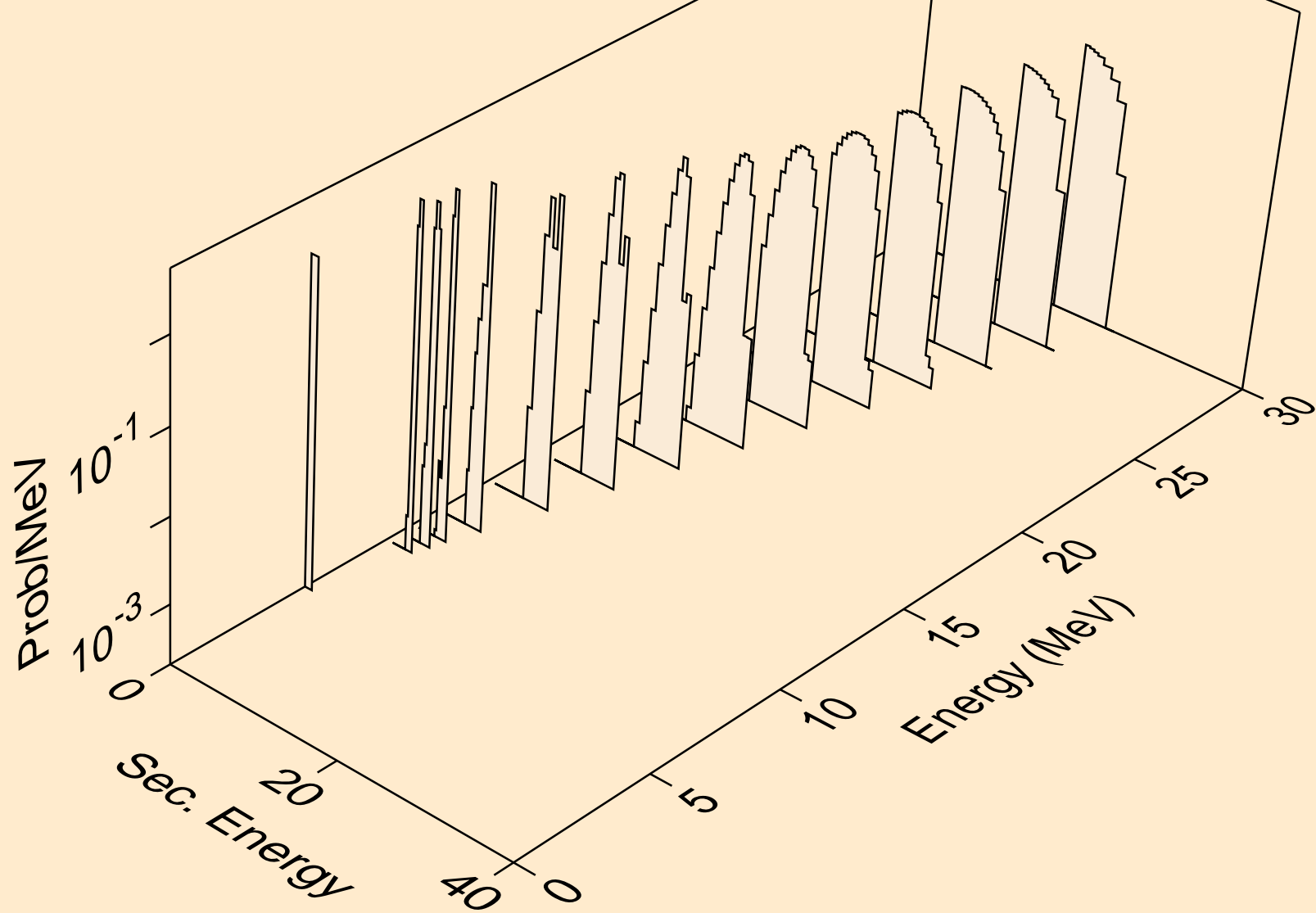




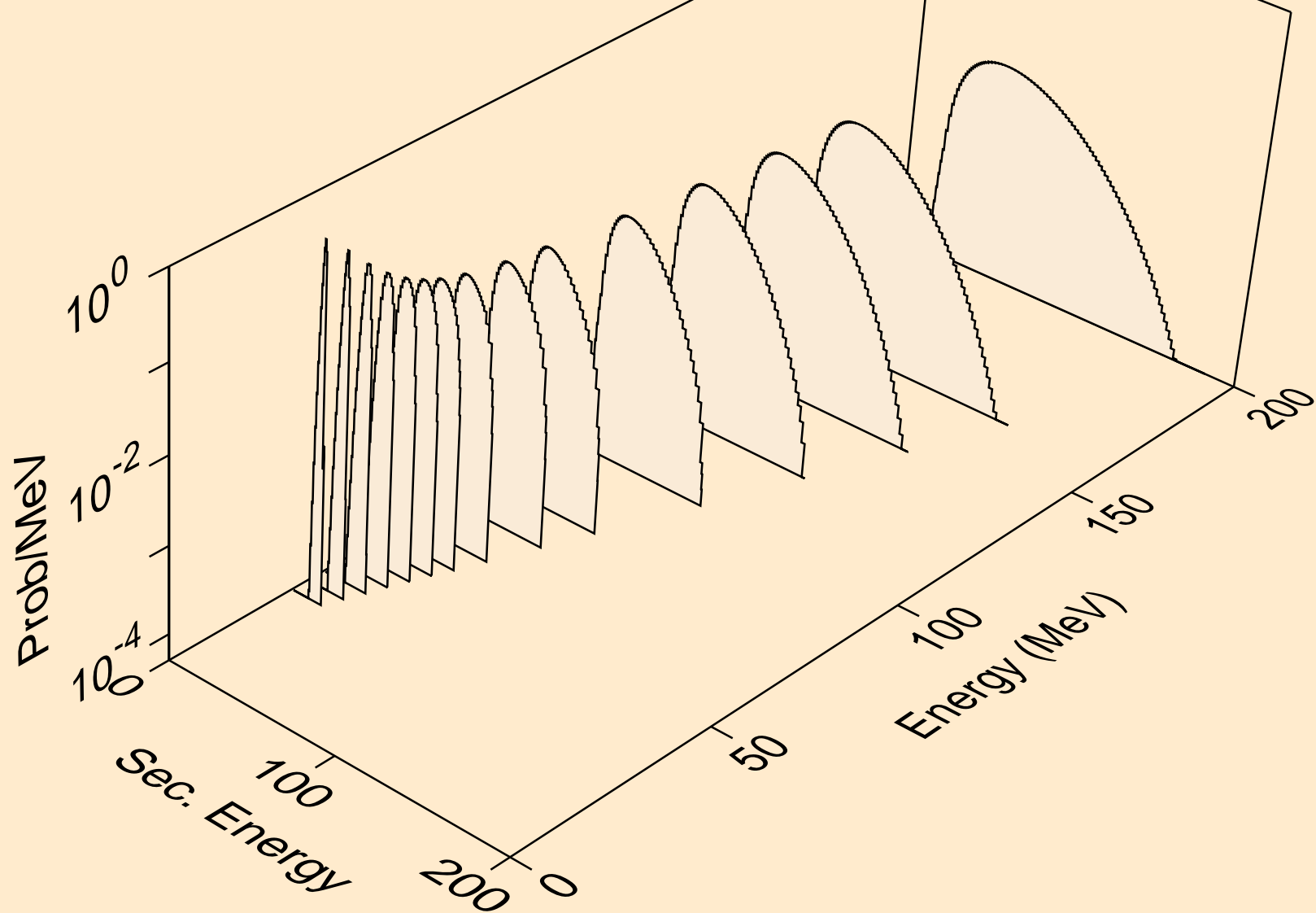
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tritons from (n,n\*)t



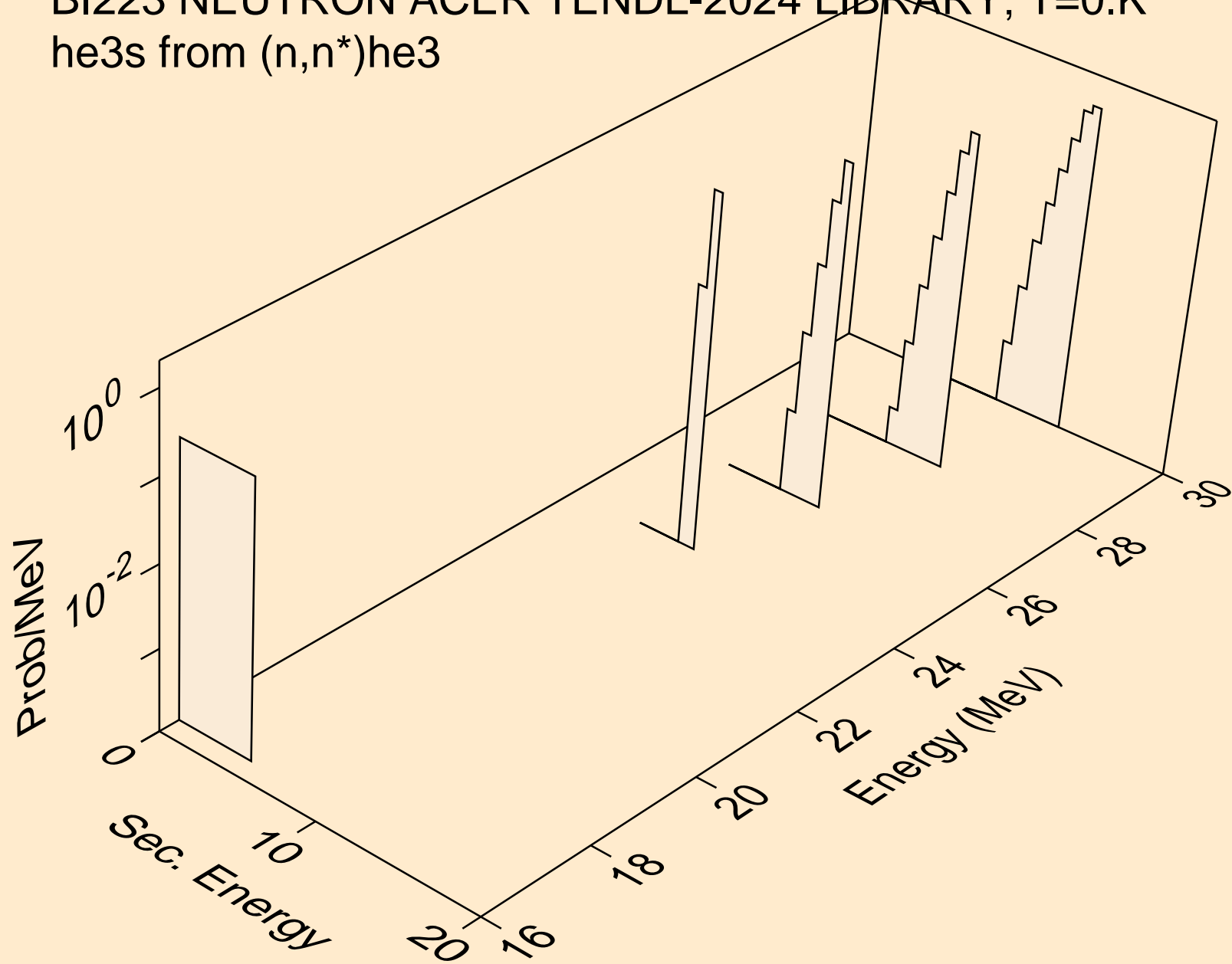
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tritons from (n,t)



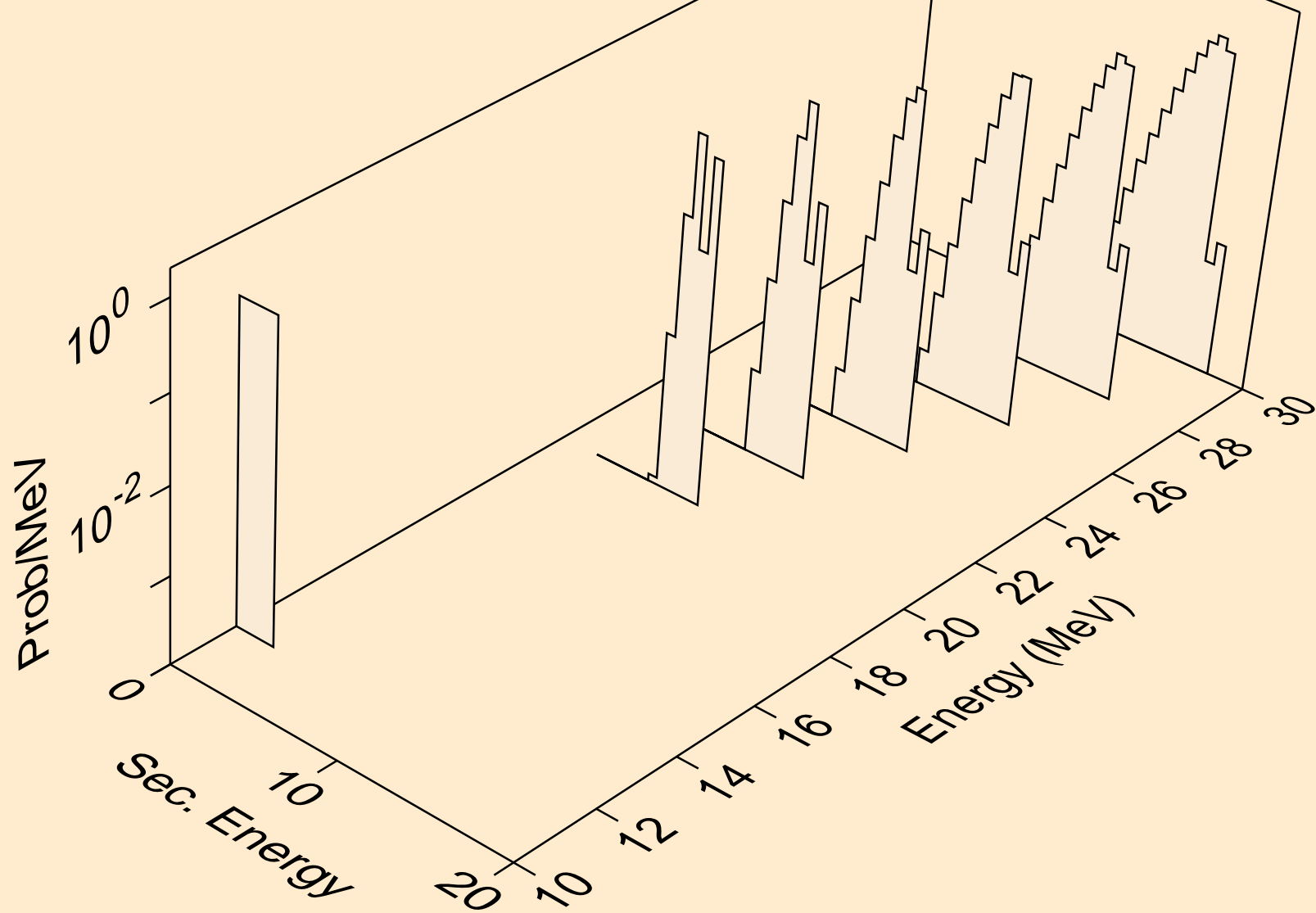
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he3s from (n,x)



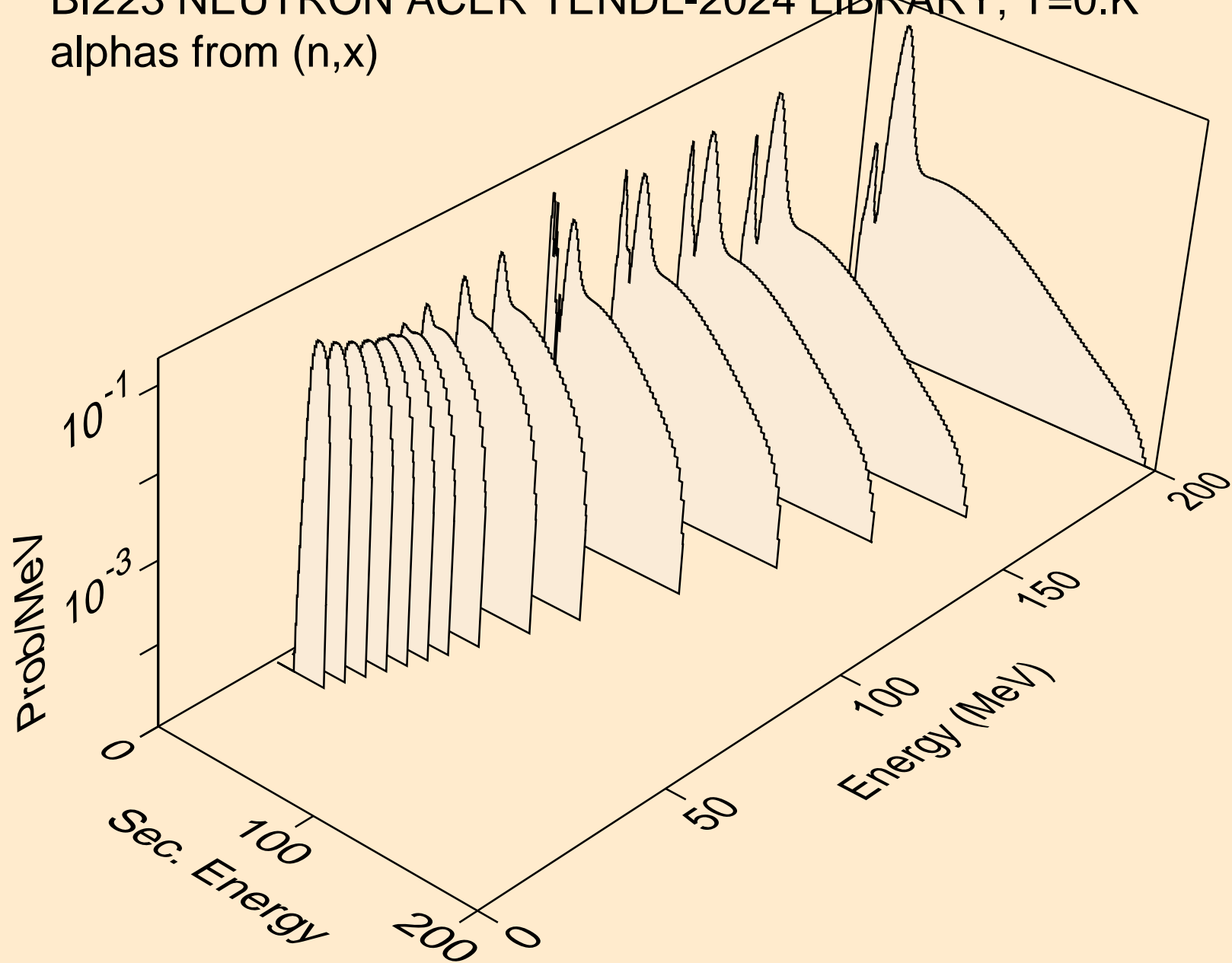
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he3s from (n,n\*)he3



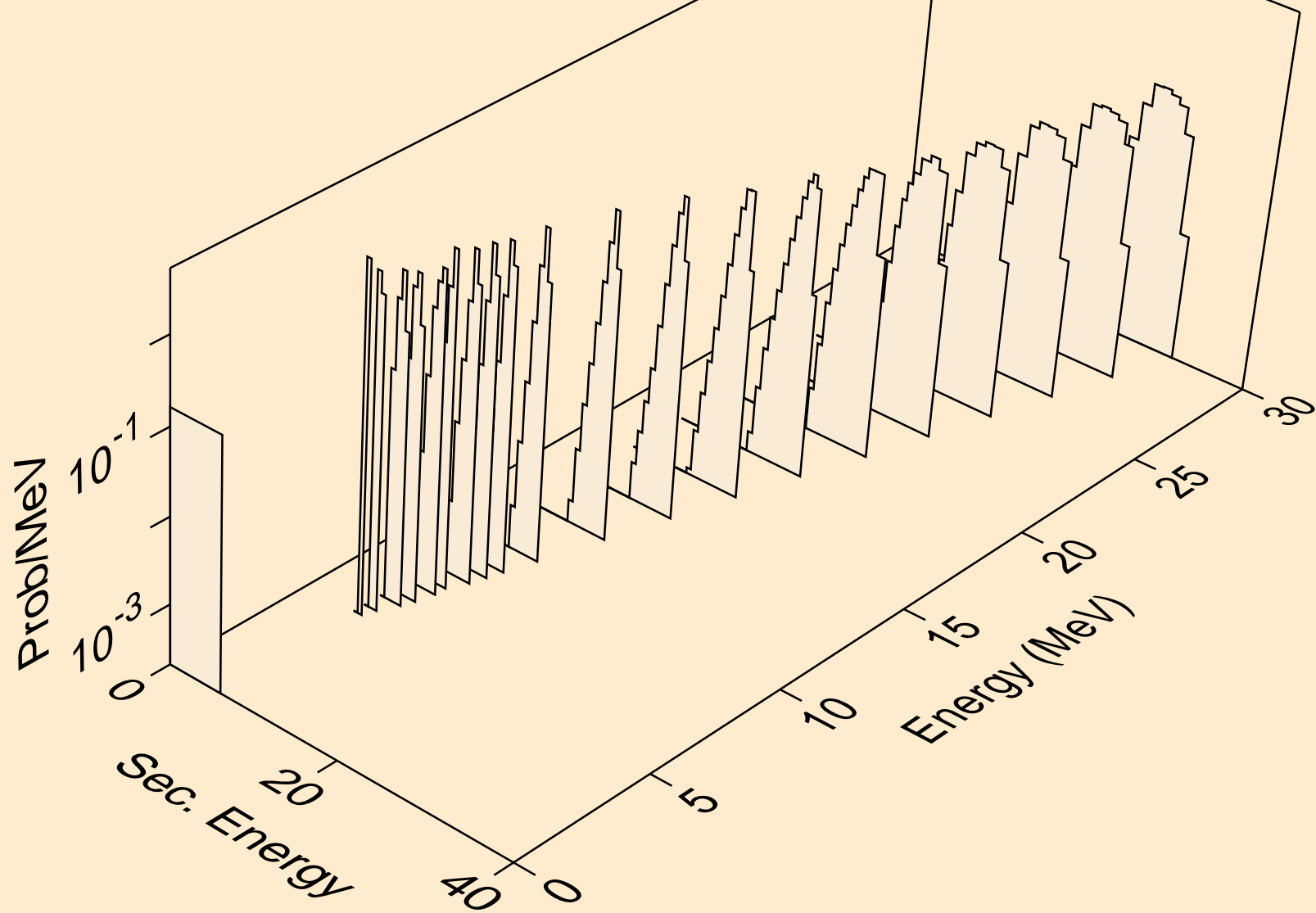
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he3s from (n,he3)



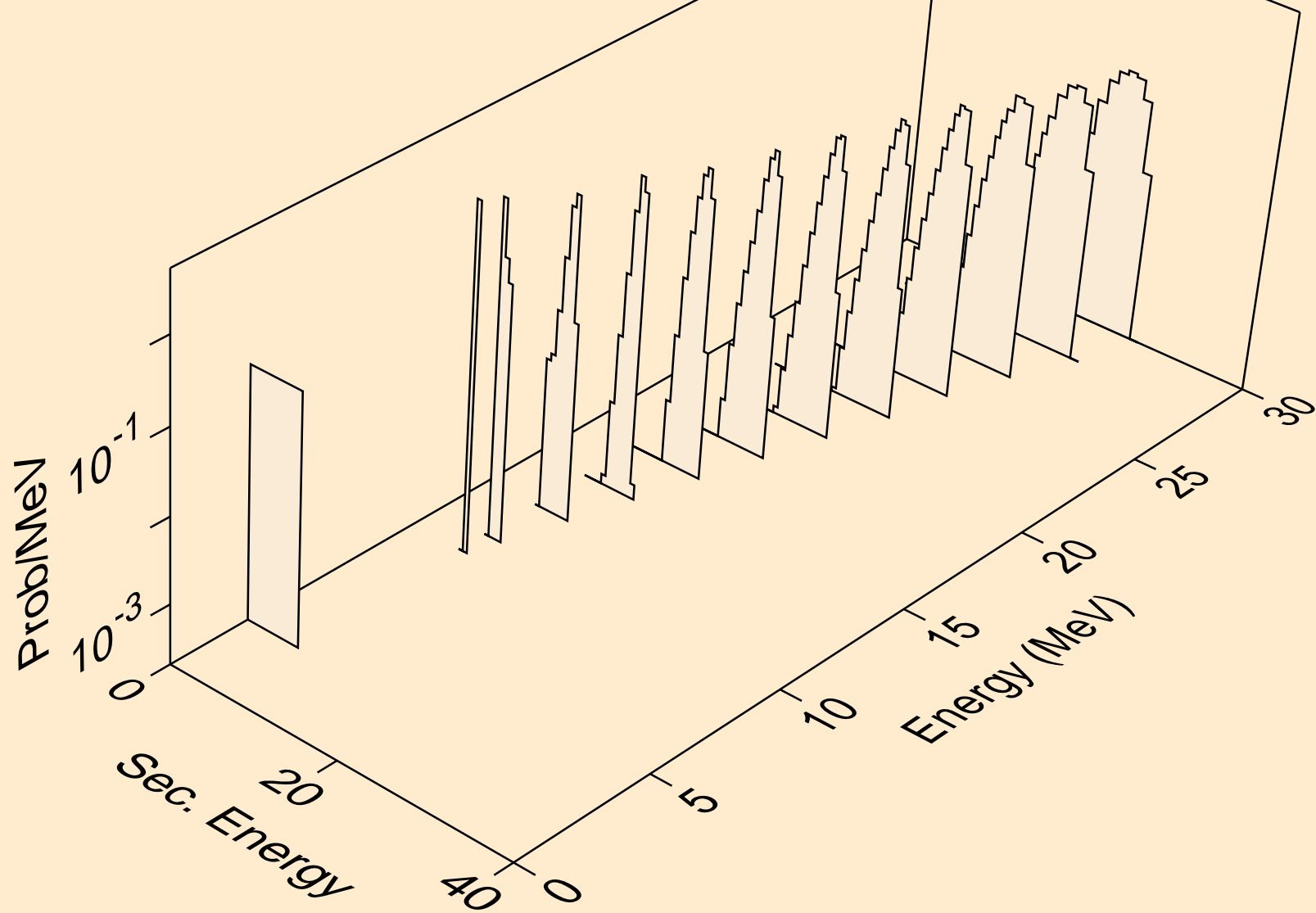
BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

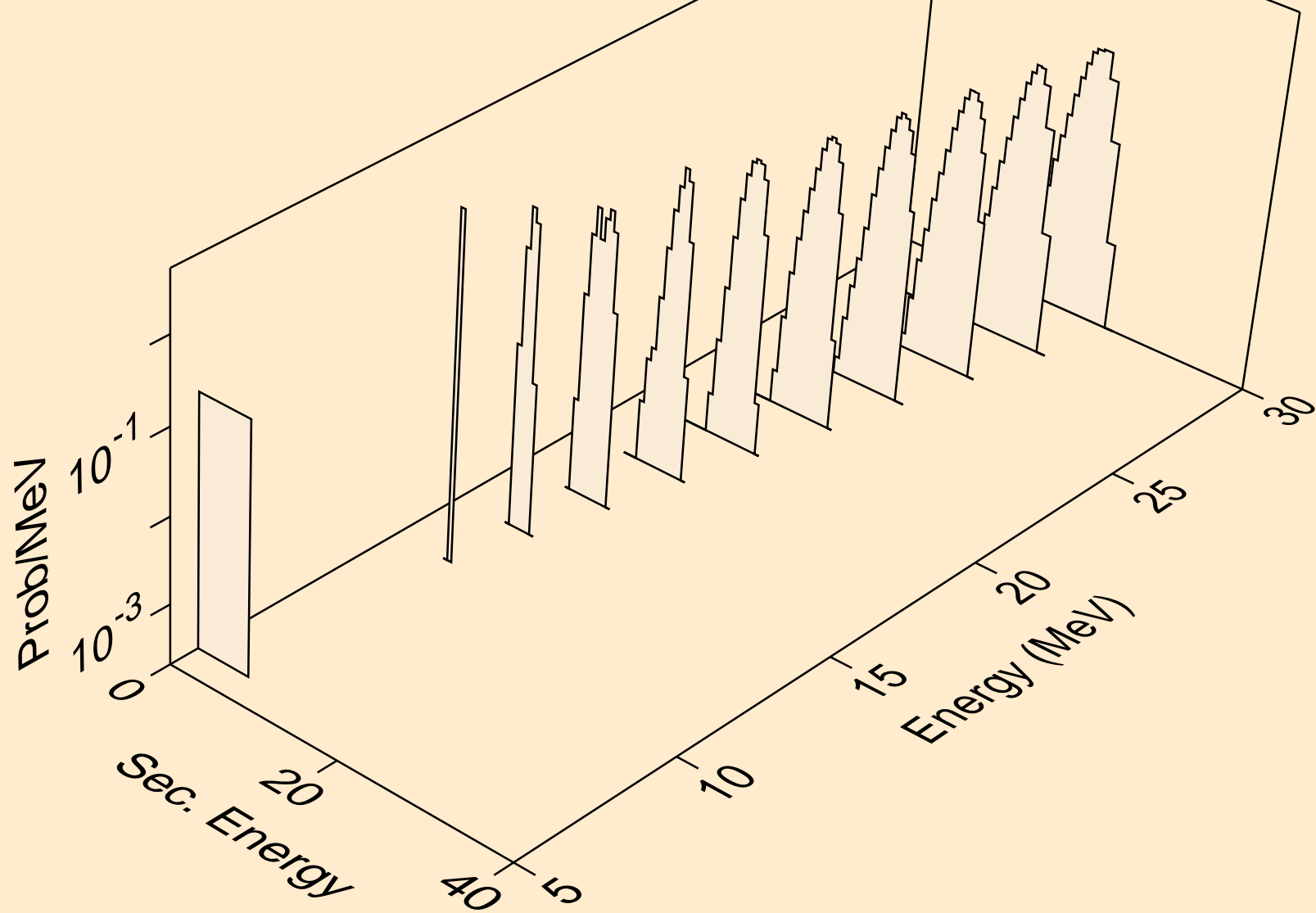


BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a





BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



BI223 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

